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ABSTRACT

This thesaurus is designed to be a vocabulary for indexing and retrieving bibliographic material concerning any aspect of land use or resource planning. The scope of the vocabulary is interdisciplinary. Economics, geography, history, demography, and sociological terms are included as well as a large number of scientific, technical, and natural resource terms commonly used by resource development and resource planning agencies. (Author)

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# *A Thesaurus of Land Use and Resource Management Terminology*

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## Preface

This thesaurus was originally prepared as part of a project to develop a land use information system for the state of Utah. The project was supported with grants from the Rockefeller Foundation and the Kellogg Foundation, through the Quality of Rural Life Program at Utah State University during fiscal years 1973 and 1974. The original intent of the developers of this thesaurus was to pull together in one vocabulary a significant segment of the language used by planners and resource managers. As such, the thesaurus represents a synthesis of pertinent terminology as it has appeared in a variety of published thesauri, vocabulary lists, and subject indexes pertinent to the field. Also included are enrichment terms and keywords as found in the documents indexed in the *Utah Natural Resources and Land Use Information System.*

## Introduction

This thesaurus is designed to be a vocabulary for indexing and retrieving bibliographic material concerning any aspect of land use or resource planning. The scope of the vocabulary is interdisciplinary. Economics, geography, history, demography, and sociological terms are included as well as a large number of scientific, technical and natural resource terms commonly used by resource development and resource planning agencies.

A thesaurus is a specialized vocabulary designed to assist users in gaining bibliographic access to a given body of information. A thesaurus reflects the language used in a given area to describe the literature of the discipline. Terminology changes over time and the sophistication of users varies, hence a good thesaurus should help bring the language of a user into coincidence with the language of an indexer or author. Until this coincidence occurs it is difficult to efficiently retrieve information by subject.

The terms in this edition are inclusive to the entire discipline of planning. Many technical terms appear that at first glance might seem unrelated but are in reality a reflection of a greater degree of anticipated user sophistication in a given area.

Terms for inclusion in the thesaurus have been drawn from staff experience with the planning community in Utah and from a number of published thesauri that contained terms and term association listings pertinent to the overall scope and objective of the project. Terms or descriptors used in the thesaurus were selected on the basis of their usefulness in indexing and retrieval but most especially upon their value as communicators to a diverse range of users.

Most descriptors are listed in their natural word order or the way in which they would be spoken. For example: "planning, land use" to "land use planning." Punctuation and abbreviations have been omitted where possible to facilitate conversion to machine readable format.

To conduct a literature search effectively by subject it is necessary to develop a list or set of descriptors that have the potential for giving the user the information desired. Language is hierarchical in its structure, hence indexing terms follow a similar pattern. For example: "agriculture" is much broader than "farm production" or "cattle industry," yet it is related to both.

Cross references used within the thesaurus are designed to help users see language relationships and term associations. This enables a user to expand to delimit his area of interest as appropriate.

| **Cross References** | **Symbol** |
|---|---|
| Broader term | BT |
| Related term | RT |
| Narrower term | NT |
| Synonym or Used For | UF |
| Unacceptable term or See Reference | USE |

1. BT or broader term

A broader term is a word or word group representing a class or group of concepts, each of which are usually identified with narrower terms. For example, agriculture is a broader term than the narrower term dry farming.

2. NT or narrower term

A narrower term is subordinate to a broader term. Narrower terms often assist users to precisely define their area of interest.

3. RT or related term

Related terms are terms that are related conceptually but not necessarily in any hierarchical sense. For example, agriculture as a broader term might have agricultural areas or homesteading as related terms.

4. UF or used for

Used for references refer the user from a synonym or variant form of a term to the word form used in the thesaurus.

In order to do a thorough search utilizing the *Utah Natural Resource and Land Use Information System,* the user should start with the thesaurus. Emphasis should be placed on identification of narrower terms and related terms that are pertinent to the users inquiry. Once these NT's and RT's are identified, it is then possible to conduct an effective search, using terms likely to be in use in the system.

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A HORIZON
BT Soil horizons
RT B horizon
C horizon
Land classification
Soil profiles

ABATEMENT
NT Pollution abatement
RT Flood control
Pollution
Purification
Regulation
Smoke abatement
Water pollution control
Water pollution treatment
Water quality control

ABIES AMABILIS
USE PACIFIC SILVER FIR TREES

ABIES BALSAMEA
USE BALSAM FIR TREES

ABIES CONCOLOR
USE WHITE FIR TREES

ABIES GRANDIS
USE GRAND FIR TREES

ABIES MAGNIFICA
USE RED FIR TREES

ABIES PROCERA
USE NOBLE FIR TREES

ABIES (SPECIES UNSPECIFIED)
USE FIR TREES

ABSORBENCY
USE ABSORPTION

ABSORPTION
UF Absorbency
Absorptive properties
NT Adsorption
RT Expansion clays
Aeration
Oxygenation
Separation techniques
Sorption

ABSORPTIVE PROPERTIES
USE ABSORPTION

ABSTRACTS OF TITLE
USE CONVEYANCING (LAW)
SEEDS

ACARICIDES
UF Miticides
Scabicides
RT Antiparasitic drugs
Pesticides
Scabies

ACCELERATION (PHYSICS)
RT Earthquake loads
Motion

ACCESS CITY
RT Accessibility

ACCESS RIGHTS
RT Real estate

ACCESSIBILITY
BT Location factors
Urban theories
NT Population movements
RT Access city
Export
Mobility
Proximity
Spatial analysis
Transportation
Transportation plan
Workplace

ACCIDENT PREVENTION
RT Fire prevention
Safety
Safety devices
Safety education
Safety engineering

ACCIDENTS
UF Farm accidents
Home accidents
Industrial accidents
Safety
NT Mine explosions
Traffic accidents
(Continued)

**ACCIDENTS** (Continued)
RT Disasters
Fires
First aid
Safety

ACCLIMATIZATION
NT Animal acclimatization
Plant acclimatization
RT Ecotypes

ACCLIMATIZATION (PLANTS)
USE PLANT ACCLIMATIZATION

ACCOMMODATION LAND
BT Location factors
Location theory
Real estate

ACEQUIAS
RT Irrigation ditches

ACER SPECIES
USE MAPLE TREES

ACID MINE DRAINAGE
USE MINE DRAINAGE

ACID MINE WATER
BT Acidic water
Liquid wastes
Liquids
Mine water
Waste water (pollution)
Wastes
Water
Water pollution sources
Water types
RT Acid streams
Iron bacteria
Liquid
Liquid wastes
Mine acids
Mine drainage
Mine wastes
Mining
Spoil banks
Wastes
Water pollution
Water pollution sources
Water quality

ACID SALTS
USE SALTS

ACID STREAMS
BT Bodies of water
Running waters
Streams
RT Acid mine water
Acidic water
Acids
Contamination
Mine drainage
Mine wastes
Stream pollution
Water pollution

ACIDIC ROCKS
BT Crystalline rocks
Igneous rocks
Rocks
NT Granite
Perlite
Pumice
Rhyolite
RT Acids
Basic rocks
Intermediate rocks
Pegmatites
Plutonic rocks
Ultrabasic rocks
Volcanic rocks

ACIDIC SOILS
BT Earth materials
Materials
Soil types
Soils
NT Podzols
Red podzolic soils
Yellow podzolic soils
RT Spoil banks
Strip mines

ACIDIC WATER
BT Water types
NT Acid mine water
RT Acid streams
Acids
Coal mine wastes
Mine acids
Strip mine lakes
Strip mine wastes
Waste water (pollution)

ACIDS
BT Chemicals
NT Mine acids
Sulfuric acids
Sulfur dioxide
RT Salts

ACOUSTIC ABSORPTION
UF Sound absorption
BT Energy absorption

ACOUSTIC MEASUREMENT
UF Noise measurement
Sound measurement
RT Acoustic impedance
Acoustic measuring instruments
Acoustic properties
Acoustic velocity
Acoustics
Anechoic chambers
Mechanical measurement
Pressure measurement
Sonic tests
Sound level meters
Sound pressure
Ultrasonic tests
Vibration meters
Wavemeters

ACOUSTIC PRESSURE
USE SOUND PRESSURE

ACOUSTICS
BT Physics
NT Underwater acoustics
RT Absorbers
Acoustic equipment
Communication
Elastic waves
Harmonics
Hydrophones
Mach number
Mechanical properties
Mechanical waves
Natural frequency
Noise (sound)
Noise reduction
Reflection
Resonance
Sonic velocity tests
Sound
Sound waves

ACOUSTICS (Continued)
RT Sounding
Tuning forks
Ultrasonics
Ultrasonic tests
Vibration
Vibration damping
Waves

ACQUISITION
NT Land acquisition
Procurement
Right of way acquisition
RT Replenishment

ACQUISITION (LAND)
USE LAND ACQUISITION

ACRE
BT Area measure

ACREAGE
RT Real estate

ACTINIDE SERIES
UF Actinides
Actinide series metals
BT Metals
NT Uranium

ACTINIDES
USE ACTINIDE SERIES

ACTINIDE SERIES METALS
USE ACTINIDE SERIES

ACTIVATED CARBON
UF Activated charcoal

ACTIVATED CHARCOAL
USE ACTIVATED CARBON

ACTIVATED SLUDGE
USE SLUDGE

ACTIVATION ANALYSIS
USE RADIOACTIVATION ANALYSIS

AD MEDIUM FILUM AQUAE
USE BOUNDARIES (PROPERTY)

ADAPTATION
RT Synecology
Torpor

ADAPTATION (PHYSIOLOGICAL)
NT Animal adaptation
Insect adaptation
Plant adaptation
RT Acclimatization
Altitude
Ecology
Environment
Mutation

ADAPTATION (PSYCHOLOGICAL)
RT Environment
General adaptation syndrome

ADAPTIVE SYSTEMS
RT Cybernetics

ADDITIVES
BT Chemicals
NT Concrete additives
Food additives
Soil amendments
Water-reducing agents

ADJUDICATION
BT Prior appropriation
Water rights

ADMINISTRATION
UF Management
Water management (administrative)
NT Administrative (law)
City planning - administration
Contract administration
Building code administration
Public administration
RT Administrative agencies
Cost sharing
Decision making
Drainage programs
Governments
Institutional constraints
Institutions
Laws
Leadership
Personnel management
Political aspects
Technologists
Water allocation (policy)
Water demand
Water policy

ADMINISTRATION (Continued)
RT Water resource development
Water zoning

ADMINISTRATIVE AGENCIES
BT Institutions
Organizations
RT Administration

ADMINISTRATIVE AREAS
NT Counties
Municipalities
RT States

ADMINISTRATIVE COUNTIES
BT Counties

ADMINISTRATIVE ENGINEERING
USE MANAGEMENT ENGINEERING

ADMINISTRATIVE LAW
UF Law, Administrative
RT Intergovernmental relations

ADMINISTRATIVE ORGANIZATION
NT Centralization
Commissions
Executive authority
Functional bases
Functional organization
Internal communication
Monopolies
Organizational patterns
Top level officialdoms

ADMINISTRATIVE PROCEDURE (LAW)
UF Procedure (Law)
BT Administration
RT Programming

ADOBE
BT Earth materials

ADOBE CONSTRUCTION
USE EARTH WALL CONSTRUCTION

ADOLESCENCE
USE YOUTH

ADSORBED WATER
BT Moisture
Soil water
Vadose water
Water
(continued)

ADSORBED WATER (Continued)
BT Water types
RT Adsorption
Boundary layer
Films
Hygroscopic water
Soil moisture
Soil physics
Soil water
Subsurface waters

ADSORPTION
BT Adsorption
RT Expansive clays
Sorption
Water properties

ADULT FARMER EDUCATION
BT Agricultural education

ADULT VOCATIONAL EDUCATION
BT Vocational education
RT Adult education
Adult farmer education
Industrial training
Young farmer education

ADVANCED WASTE TREATMENT
USE TERTIARY TREATMENT

ADVERSE POSSESSION
BT Real property

ADVERTISING SIGNS
RT Beautification

AEDES SPECIES
USE MOSQUITOES

AEOLIAN DEPOSITS
USE AEOLIAN SOILS

AEOLIAN SOILS
UF Aeolian deposits
Deposits (aeolian)
BT Earth materials
Materials
Soils
Soil types
NT Loess
RT Dunes
Dune sands
Dust storms
Eluvium

AEOLIAN SOILS (Continued)
RT Geologic deposits
Sand
Silts
Silty loams
Volcanic ash
Wind erosion
Wind (meteorology)

AERATED LAGOONS
BT Lagoons

AERATION
RT Aerobic conditions
Absorption
Air
Cyaniding (beneficiation)
Sprays

AERIAL BRUSH CONTROL
BT Brush control
RT Aerial weed control

AERIAL DUSTING
UF Aerial economic poisons application
BT Dusting
RT Aerial spraying

AERIAL ECONOMIC POISONS APPLICATION
USE AERIAL DUSTING
AERIAL SPRAYING

AERIAL FERTILIZING
BT Fertilizer application

AERIAL FIRE CONTROL
BT Forest fire control
RT Smoke jumpers

AERIAL FIRE DETECTION
USE FOREST FIRE DETECTION

AERIAL INSECT CONTROL
BT Aerial pest control

AERIAL MAPPING
USE AERIAL SURVEYS

AERIAL PEST CONTROL
BT Pest control
NT Aerial insect control

AERIAL PHOTOGRAPHS
USE AERIAL PHOTOGRAPHY

AERIAL PHOTOGRAPHY
UF Aerial photographs
BT Photography
RT Aerial reconnaissance
Infrared photography
Photogrammetry
Photointerpretation
Reconnaissance surveys
Remote sensing

AERIAL PLANT DISEASE CONTROL
BT Plant disease control

AERIAL RECONNAISSANCE
UF Air reconnaissance
Remote sensing
BT Reconnaissance
RT Aerial photography

AERIAL SEED PLANTING
BT Seed planting

AERIAL SENSING
USE REMOTE SENSING

AERIAL SPRAYING
UF Aerial economic poisons application
BT Spraying
RT Aerial dusting

AERIAL SURVEYS
UF Aerial mapping
Airborne surveys
BT Surveys
RT Land surveys
Mosaics

AERIAL WEED CONTROL
BT Weed control
RT Aerial brush control

AERIAL WILDLIFE CONTROL
BT Wildlife control

AEROBIC BACTERIA
BT Bacteria
Microorganisms
Plants (botany)
NT Salmonella
RT Self-purification
Sewage bacteria
Soil disposal fields

AEROBIC CONDITIONS
RT Aeration

AEROBIC TREATMENT
BT Treatment

AEROPHYSICS
USE ATMOSPHERIC PHYSICS

AEROPLANES
USE AIRPLANES

AEROSALS
BT Air pollution
RT Application equipment
Application methods
Colloids
Dusts
Fallouts
Foaming
Fog
Formulation
Mist
Pesticide drift
Smog
Spraying

AEROSPACE ENVIRONMENT
UF Space environment

AEROSPACE INDUSTRY
BT Industries
NT Aircraft industry
RT Aircraft
Spacecraft

AEROSPACE LIFE SUPPORT SYSTEMS
BT life support systems
RT Closed ecological systems
Exobiology
Extraterrestrial bases
Spacecraft environments

AEROSPACE TRANSPORT OPERATIONS
USE AIR TRANSPORTATION

AESTHETICS
UF Esthetics
NT Urban aesthetics
RT Litter

AFFORESTATION
UF Reforestation
RT Afterburners
Catalytic converters
Forestry
Land development
Reforestation
Shelter belts
Windbreaks

AGED
USE OLD AGE
NURSING HOMES

AGENTS (DECONTAMINATING)
USE DECONTAMINATION

AGENTS (DISPERSING)
USE DISPERSANTS

AGGLOMERATED
BT Street patterns

AGGLOMERATION
NT Measurement of association
principle of focality
RT Agglomeration tendency

AGGLOMERATION TENDENCY
BT Central place theory
Location theory
RT Agglomeration

AGGRADATION
RT Sediment concentration

AGRARIAN REFORM
USE LAND REFORM

AGRARIANISM
BT Rural society
RT Gemeinschaft

AGGREGATES
BT Construction materials
Granular materials
Materials
NT Fine aggregates
Soil aggregates
RT Gravel pits
Rubble
Porous media
slags
Sand piles

AGING (BIOLOGICAL)
RT Growth stages
Life cycles

AGING (PHYSICAL)
RT Corrosion
Curing
Degradation (decomposition)
Durability
Hardening
Resistance

AGREEMENTS
UF Contracts
RT Leases
Right-of-way

AGRIBUSINESS
RT Agricultural industries
Agricultural production
economics
Vertical integration

AGRICULTURAL BANKS
BT Agricultural credit sources
NT Federal Land Banks

AGRICULTURAL CHEMICALS
BT Chemicals
NT Fertilizers
RT Soil contamination
Water pollution sources

AGRICULTURAL CHEMISTRY
RT Chemical engineering
Chemurgy

AGRICULTURAL COMMODITIES
USE AGRICULTURAL PRODUCTS

AGRICULTURAL CREDIT
UF Farm mortgages
RT Agricultural credit sources

AGRICULTURAL CREDIT SOURCES
NT Agricultural banks
RT Agricultural credit

AGRICULTURAL ECONOMICS
BT Economics
RT Agricultural engineering
Agriculture
(Continued)

AGRICULTURAL ECONOMICS (Continued)
RT Farm management
Marketing
Monetary benefits
Prices
Rural sociology

AGRICULTURAL EDUCATION
BT Vocational education
NT Adult farmer education
Vocational agriculture
Young farmer education
RT Land-Grant Universities

AGRICULTURAL ENGINEERING
BT Engineering
RT Agricultural economics

AGRICULTURAL FINANCE
UF Farm finance
BT Finance
RT Forest finance

AGRICULTURAL HISTORY
UF Primitive agriculture
BT History

AGRICULTURAL HOLDINGS
USE LAND TENURE

AGRICULTURAL INDUSTRIES
BT Industry
NT Brewing industry
Canning industry
Cigar industry
Cigarette industry
Dairy industry
Food industry
Forest industries
Livestock industry
Meat packing industry
Poultry industry
RT Agribusiness
Agricultural production economics

AGRICULTURAL INSURANCE
BT Insurance
RT Acarine disease insurance
Apiculture insurance
Crop insurance
Forest insurance
Livestock insurance

AGRICULTURAL LABOR
UF Agricultural manpower
Farm labor
BT Labor
NT Forest labor
Migrant labor
RT Peasantry
Peasants

AGRICULTURAL LABORERS
UF Labor mobility
Migrant labor
RT Social conditions
Sociology
Housing for migrant workers
Labor supply

AGRICULTURAL LEGISLATION
NT Homestead law
RT Legislation

AGRICULTURAL MACHINERY
UF Combines
Cotton gins
Disks (agricultural)
Farm machinery
Harvesters
RT Planting

AGRICULTURAL MANPOWER
USE AGRICULTURAL LABOR

AGRICULTURAL METEOROLOGY
RT Micrometeorology

AGRICULTURAL MIGRANTS
USE MIGRANTS

AGRICULTURAL OUTLOOK
UF Farm outlook
NT Agricultural financial outlook
Food outlook
BT Outlook
RT Agricultural situation
Economic development

AGRICULTURAL PLANNING
USE AGRICULTURAL POLICIES
RURAL PLANNING

AGRICULTURAL POLICIES
UF Agricultural planning
NT Forest policies
Production adjustments (agricultural)
BT Policies

AGRICULTURAL PRICES
USE PRICES

AGRICULTURAL PRODUCTION ECONOMICS
BT Production economics
RT Agribusiness
Agricultural industries

AGRICULTURAL PRODUCTS
UF Agricultural commodities
Farm produce
Produce (farm)
NT Dairy products
Forest products
Poultry products
RT Chemurgy
Materials handling
Raw materials

AGRICULTURAL RESEARCH
BT Agriculture
Research

AGRICULTURAL SITUATION
NT World agricultural situation
RT Agricultural outlook

AGRICULTURAL WAGES
UF Farm wages
BT Wages
NT Forest labor wages

AGRICULTURAL WASTES
UF Farm wastes
BT Wastes
RT Composts

AGRICULTURAL WATERSHEDS
BT Watersheds (basins)
RT Small watersheds

AGRICULTURE
NT Farming
Agriculture research
Dry farming
(continued)

AGRICULTURE
RT Agricultural economics
Farm housing
Farm prices
Feed lots
Homestead
Livestock
Open fields
Rural renewal

AGRONOMIC CROPS
BT Crops
Field crops
NT Alfalfa
Barley
Bromegrass
Cereal crops
Corn (field)
Forage legumes
Forages
Oats
Orchardgrass
Rice
Sorghum
Wheat
Wheatgrasses
RT Industrial crops
Irrigation effects
Soil management

AGRONOMY
UF Crop science
NT Crop production
RT C horizon
Tolerances (plant)

AGROPYRON SPECIES
USE WHEATGRASSES

AID TO UNDERDEVELOPED AREAS
USE TECHNICAL ASSISTANCE PROGRAMS

AIDED SELF-HELP HOUSING
UF Self-help housing
BT Housing
RT Building construction
Owner-built houses

AIR
BT Fluids
Gases
RT Air admission
(Continued)

AIR (Continued)
RT Air currents
Air resources
Aeration
Atmospheric composition
Environments

AIR ADMISSION
RT Air
Hydraulic machinery

AIR CIRCULATION
RT Turbulence

AIR CLEANERS
RT Air pollution control equipment
Electrostatic precipitators
Exhaust systems

AIR CONDITIONING
UF Air purification
RT Absorption refrigeration
Air circulation
Air cleaners
Air conditioners
Air pollution
Air washers
Controlled atmospheres
Coolants
Cooling
Cooling load
Cooling rate
Cooling systems
Dust control
Environmental engineering
Exhaust systems
Fluid infiltration
Heating
Heating load
Heating pumps
Humidity
Humidity control
Intake systems
Life support systems
Refrigerants
Refrigerating
Sensible heat
Temperature
Temperature control
Thermal insulation
Ventilation

AIR CONDITIONING EQUIPMENT
RT Air pollution control equipment

AIR CONDITIONING EQUIPMENT (Continued)
RT Electrostatic precipitators

AIR CONTAMINATION
USE AIR POLLUTION

AIR CURRENTS
RT Air
Jet streams (meteorology)
Meteorology
Wind (meteorology)

AIR-EARTH INTERFACES
UF Air-soil interfaces
Earth-air interfaces
BT Boundaries (surfaces)
Interfaces
RT Energy balance

AIR MASSES
NT Marine air masses
RT Air
Air circulation
Air-water interfaces
Atmosphere
Atmospheric motion
Fronts (atmospheric)
Meteorology
Storms
Turbulence
Weather
Weather patterns
Wind (meteorology)

AIR NUCLEAR EXPLOSIONS
USE NUCLEAR EXPLOSIONS

AIR PHOTOGRAPHY
RT Land use planning

AIR POLLUTION
UF Atmospheric pollution
Air contamination
Contamination (air)
Pollution (air)
BT Pollution
NT Aerosols
Thermal pollution
RT Aerobiology
Aerosols
Airborn wastes
Air conditioning
(Continued)

AIR POLLUTION (continued)
RT Air pollution control equipment
Ashes
Atmosphere contamination control
Atmospheric composition
Coal tar
Combustion products
Crankcase fumes
Drops (liquids)
Dust
Dust control
Effervescence
Effluents
Environmental sanitation
Exhaust emissions
Exhaust gases
Exhaust systems
Fallout
Flue dust
Flue gases
Flyash
Fumes
Haze
Incinerators
Industrial wastes
Mortality
Odor control
Odors
Oxidizers
Particles
Path of pollutants
Pesticides
Pollen
Pollutant identification
Pollutants
Pollution abatement
Pollution control
Smog
Smoke
Smoke abatement
Soot
Temperature inversions
Toxins
Waste disposal
Wind (meteorology)
Air resources

AIR POLLUTION CONTROL
BT Control
Pollution control
RT Pollutant identification
Urban environment

AIR POLLUTION CONTROL EQUIPMENT
RT Air cleaners
Air conditioning equipment
Scrubbers

AIR POLLUTION EFFECTS
BT Effects
RT Phytotoxicity

AIR PURIFICATION
USE AIR CONDITIONING

AIR RAID SHELTERS
UF Civilian defence
Civil defense
Protective construction
BT Shelters

AIR RECONNAISSANCE
USE AERIAL RECONNAISSANCE

AIR RESOURCES
RT Air
Air pollution

AIR RIGHTS
UF Air space
airspace
BT Real property
NT Air rights development
RT Land use

AIR RIGHTS DEVELOPMENT
BT Air rights

AIR-SOIL INTERFACES
USE AIR-EARTH INTERFACES

AIR SPACE
USE AIR RIGHTS

AIR TEMPERATURE
BT Temperature
RT Dew point

AIR TRANSPORATION
UF Aerospace transport operations
Airlift (transportation)
BT Transportation
NT Super airports

AIR-WATER INTERFACES
UF Water-air interfaces
BT Boundaries (surfaces
Interfaces
Liquid-gas interfaces
Liquid-vapor interfaces
RT Air bubbles
Air-earth interfaces
Air masses
Boule flotation
Boundary processes
Bubbles
Entrapped air
Evaporation
Free surfaces
Microenvironment
Reaeration

AIRBORNE SURVEYING
USE AERIAL SURVEYS

AIRBORNE WASTES
BT Wastes
RT Refuse
Exhaust gases

AIRCRAFT
UF Airplanes
NT Airplanes
Airships
Cargo aircraft
Commercial aircraft
Passenger aircraft
Transport aircraft
Weather reconnaissance aircraft
RT Runways
Vehicles

AIRCRAFT NOISE
BT Elastic waves
Mechanical waves
Noise (sound)
Sound waves
NT Aircraft propeller noise
Jet aircraft noise
Sonic boom
RT Aerodynamic noise
Engine noise

AIRFIELDS
USE AIRPORTS

AIRLIFT (TRANSPORTATION)
USE AIR TRANSPORTATION

AIRLINE PASSENGER TRAFFIC
BT Public transport

AIRLINERS
USE COMMERCIAL AIRCRAFT

AIRLINES
BT Public transport

AIRPLANES
UF Aeroplanes
Aircraft
Fixed wing aircraft
BT Aircraft

AIRPORTS
UF Airfields
Landing fields
BT Public transport
NT Heliports
RT Super airport planning

AIRSHIPS
UF Blimps
Dirigibles
BT Aircraft
RT Balloons
Gondolas
Inflatable structures
Military aircraft
Observation aircraft

AIRSPACE
USE AIR RIGHTS

AIRSTREAMS
USE ATMOSPHERIC CIRCULATION

AIRWAYS
BT Public transport

AISLES
USE PASSAGEWAYS

ALDRIN
BT Chlorine organic compounds
Chlorohydrocarbons
Halohydrocarbons
Insecticides
Naphthalene compounds

ALFALFA
UF Medicago sativa
BT Agronomic crops
(Continued)

ALFALFA (Continued)
BT Crops
Dicots
Field crops
Forage legumes
Forages
Horticultural crops
Legumes
Phreatophytes
Plants (botany)
RT Hay
Silage

ALGAE
BT Plants (botany)
NT Aquatic Algae
Odor-producing algae
Soil algae
Taste-producing algae
RT Test canals
Waste stabilization ponds

ALGAE BLOOMS
USE EUTROPHICATION

ALGAE CONTROL
BT Pest control

ALGAE POISONING
RT Algal toxins
Aquatic algae
Poisonous plants
Poisons
Water pollution sources

ALGINOBACTER
USE ENTEROBACTERIACEAE

ALKALI METALS
BT Metals
NT Cesium
Francium
Lithium
Potassium
Potassium radioisotopes
Rubidium
Sodium

ALKALINE EARTH METALS
BT Chemical elements
Metals
NT Barium
Magnesium
Radium
(Continued)

ALKALINE EARTH METALS (Continued)
NT Radium radioisotopes
Strontium

ALKALINE SOILS
BT Earth materials
Materials
Soil types
Soils
NT Calcareous soils
Prairie soils
Sierozems
RT Land reclamation
Irrigation effects
Saline soils
Salt removal
Soil reclamation
Waterlogged land

ALKALINE WATER
BT Water types
RT Alkalines (bases)
Saline water

ALKALIS (Bases)
RT Soils

ALLELOPATHY
BT Plant physiology
RT Undesirable plants

ALLEYS
USE PASSAGEWAYS

ALLOCATIONS
NT Cost allocation
Water allocation (policy)
RT Political aspects

ALLOTMENT GARDENS
RT Land allotment
Part-time farming

ALLOY CAST IRON
USE CAST IRON

ALLOYS
BT Chemical elements
Materials
Metals
NT Aluminum alloys
Bronzes
Cadmium alloys
Carbon alloys
(Continued)

ALLOYS (Continued)
NT Carbon steels
Cast iron
Cobalt alloys
Copper alloys
Germanium alloys
High strength steels
Iron alloys
Lead alloys
Low alloy steels
Low carbon steels
Magnesium alloys
Manganese alloys
Molybdenum alloys
Nickel alloys
Niobium alloys
Phosphorus alloys
Platinum alloys
Potassium alloys
Selenium alloys
Silicon alloys
Silver alloys
Sodium alloys
Stainless steel
Structural steel
Tin alloys
Titanium alloys
Tungsten alloys
Vanadium alloys
Zinc alloys

ALLUVIAL CHANNELS
BT Channels
RT Regime

ALLUVIAL CONES
USE ALLUVIAL DEPOSITS

ALLUVIAL DEPOSITS
UF Alluvial cones
Alluvial fans
Cones (alluvial)
Deposits (alluvial)
Fans (alluvial)
Fans (fluvial)
Fluvial Deposits
Fluvial fans
BT Geologic deposits
Land forms
Sediment deposits
Sediments
NT Moraines
(Continued)

ALLUVIAL DEPOSITS (Continued)
NT Sand bars
Terrace deposits
RT Debris
Erosion
Flood plains
Sedimentary rocks
Silty loams
Silts

ALLUVIAL FANS
UF Alluvial deposits
RT Piedmont land forms

ALLUVIAL STREAMS
BT Bodies of water
Land forms
Running waters
Streams

ALLUVIUM
UF Deposits (fluvial)
Fluvial soils
BT Azonal
Geologic deposits
Sediments
Soil types
Soils

ALPINE MEADOW SOILS
BT Intrazonal soils

ALTITUDE
RT Elevation
Life zones
Timber line

ALUMINUM
BT Chemical elements
Materials
Metals

ALUMINUM ALKYL COMPOUNDS
USE METAL ALKYL COMPOUNDS

ALUMINUM ALLOYS
BT Alloys
Metals
RT Aluminum
Aluminum compounds

AMBIENT CONDITIONS
USE ENVIRONMENTS

AMENITIES
NT Cost of living adjustment
Housing codes
License
Rent restriction
Sanitary code
Social welfare
Urban metropolitan region
Urban metropolitan structure
Urbanization
RT Aggregation
Beautification
Company towns
Conservation
Cultural lag
Street furniture
Visual resources

AMMONIA
BT Nitrogen inorganic compounds

AMMONIA BATTERIES
USE RESERVE BATTERIES

AMMONIUM COMPOUNDS
RT Fertilizers

AMPHIBIA
UF Batrachia
Newts
BT Vertebrates
NT Frogs
Salamanders
Toads
RT Aquatic animals

AMPHIBIOUS PLANTS
RT Marsh plants
Riparian plants

AMUSEMENT AREAS
BT Recreation
RT Business activities
Commercial activities
Entertainment

AMUSEMENT FACILITIES
BT Land use
Recreation

AMORTIZATION TABLES
BT Loans
RT Mortgage finance
Interest rates

ANAEROBIC BACTERIA
RT Farm lagoons
Sewage bacteria

ANALOG COMPUTERS
UF Analog differential analyzers
BT Computers
Data processing equipment

ANALOG DIFFERENTIAL ANALYZERS
USE ANALOG COMPUTERS

ANALOG MODELS
RT Data transmission systems

ANALOGS
NT Climatic analogs
Electric analogs
Terrain analogs
RT Data transmission systems
Network analysis
Simulators

ANALOGY (ELECTRIC)
USE ELECTRIC ANALOGS

ANALYSIS
NT Chemical analysis
Cost analysis
Management analysis
Mathematical analysis
Qualitative analysis
Quantitative analysis
Regional analysis
Soil analysis
Statistical analysis
Structural analysis
Terrain analysis
RT Sampling

ANALYSIS OF URBAN AREAS
BT Urban analysis
Urbanism analysis

ANALYSIS (QUANTUM)
USE QUANTUM MECHANICS

ANALYTICAL TECHNIQUES
UF Techniques (analytical)
NT Assay
Bioassay
Chromatography
Depth-area-duration analysis
Gravimetric analysis
On-site data collections
Piezometry
Quantitative analysis
Quantitative sampling
Qualitative analysis
Remote sensing
Spectroscopy
Waste identification
RT Coagulation
Path of pollutants
Pollutant identification
Sampling
Separation techniques
Technology

ANASTATIC WATER
USE FRINGE WATER

ANCHOR ICE
BT Ice

ANEMOMETERS
RT Wind speed
Wind velocity

ANGLE OF RESPONSE
RT Noncohesive soils

ANGLING
USE FISHING

ANIMAL ACCLIMATIZATION
BT Acclimatization

ANIMAL ADAPTATION
BT Adaptation (physiological)

ANIMAL BEHAVIOR
UF Habitat preference
Homing behavior
BT Behavior
NT Insect behavior
Social behavior
(Continued)

ANIMAL BEHAVIOR (Continued)
RT Agonistic behavior
Animal communication
Animal migrations
Feeding habits
Human behavior
Life history
Life history studies
Sex behavior

ANIMAL BREEDING
BT Breeding
NT Artificial insemination
Electric stimulation
Ova transplantation
RT Animal husbandry
Hieterosis

ANIMAL CONTROL
BT Control
NT Insect control
RT Preservation
Wildlife conservation

ANIMAL DISTRIBUTION
BT Distribution
RT Animal populations
Biogeography
Distribution patterns
Wildlife

ANIMAL ECOLOGY
UF Ecology
BT Ecology
NT Animal populations
Wildlife management
Zoology
RT Competition
Life cycles
Limiting factors

ANIMAL FIBERS
BT Natural fibers
NT Fur
Hair
Mohair
Wool
Silk
RT Plant fibers
Protein fibers

ANIMAL GEOGRAPHY
USE ZOOGEOGRAPHY

ANIMAL GROUPINGS
RT Livestock

ANIMAL INDUSTRY
USE LIVESTOCK

ANIMAL MANURES
USE MANURES

ANIMAL MIGRATION
USE ZOOGEOGRAPHY

ANIMAL PHYSIOLOGY
RT Enzymes
Growth stages
Physiological ecology

ANIMAL PIGMENTS
USE ORGANIC PIGMENTS

ANIMAL POPULATIONS
BT Population

ANIMAL WASTES
BT Wastes
RT Water pollution sources

ANIMALS
UF Fauna
NT Aquatic animals
Aquatic insects
Bass
Big game
Birds
Brine shrimp
Cattle
Cold-water fish
Commercial shellfish
Crustaceans
Deer
Diptera
Domestic animals
Fish
Freshwater fish
Insects
Invertebrates
Killifishes
Livestock
Mammals
Migratory birds
Mosquitoes
Nematodes
Non-game birds
Pan fish
(Continued)

ANIMALS (Continued)
NT Protozoa
Rodents
Ruminants
Saline water fish
Sea netties
Shellfish
Shrimp
Small animals (mammals)
Sunfishes
Water birds
Wildlife
Water fowl
RT Bird types
Life cycles
Life expectancy
Preservation
Zoology

ANNEXATION
BT Boundary change
NT Municipal annexation
Strip annexation
RT Local government structure
Urban expansion
Urban growth

ANNEXATION AREAS
BT Urban administration
RT Urban development
Urban growth

ANNUAL
RT Time
Water year

ANION EXCHANGE
BT Ion exchange

ANNUAL FLOODS
BT Floods
RT Flood hydrology
Flood protection
Flood routing
Peak runoff
Rainfall
Runoff
Runoff forecasting
Streamflow forecasting
Weather forecasting

ANNUAL PLANTS
RT Perennial plants

**ANNUALS**
BT Plant cover
Plants (Botany)
NT Erodium
Erodium cicutarium
Linanthus
Parthenice mollis
Summer annuals
Winter annuals
RT Ephemerals
Forbs
Grasses
Halophytes
Herbs
Seasonal
Summer
Therophytes
Winter
Xerophytes

**ANODE SLUDGE**
USE SLUDGE

**ANTECEDENT PRECIPITATION**
BT Ground water sources

**ANTHRACITE**
UF Coal
BT Coal
Fossil fuels
Nonclastic rocks
Rocks
Sedimentary rocks
RT Semibituminous coal

**ANTHRACITY METROPOLISES**
BT City forms

**ANTIAUXINS**
USE HERBICIDES

**ANTICORROSION MATERIALS**
USE CORROSION CONTROL

**ANTI-CYCLICAL DEVICES**
USE BUILDING CYCLES

**ANTIMONY**
BT Metalloids
RT Antimony isotopes
Metals

**ANTIRAIN AGENTS**
USE RAIN REPELLENTS

**ANTS**
USE FORMICIDAE

**APARTMENT BLOCKS**
BT Apartments

**APARTMENT BOOM**
RT Apartments

**APARTMENT DENSITIES**
BT Urban densities
RT Apartments

**APARTMENT HOUSE ZONE**
BT Urban areas
Zoning
RT Apartments

**APARTMENT HOUSES**
UF High-rise apartments
Houses, apartment
RT Rental housing
Tenant selection

**APARTMENT HOUSES, COOPERATIVE**
USE COOPERATIVE HOUSING

**APARTMENTS**
NT Apartment blocks
Apartment house syndication
Apartment market
Condominium
Cooperative apartments
Garden apartments
Lift slab apartments
Low rise speculative apartment
Luxury apartments
Model flats
Multifamily dwellings
Multistory flats
Patio apartments
Residence
Tenements
Three story walk up
Walk up apartments
RT Apartment boom
Apartment densities
Apartment house zone

**API GRAVITY**
USE DENSITY (MASS/VOLUME)

APPARATUS
  USE EQUIPMENT

APPLICATION METHODS
  UF Application techniques
    Methods of application
  BT Methodology
  NT Dusting
    Spraying
  RT Fertilization
    Irrigation systems
    Irrigation water
    Mist
    Seed treatment
    Soil treatment

APPLICATION RATES
  USE RATES OF APPLICATION

APPLICATION TECHNIQUES
  USE APPLICATION METHODS

APPRAISALS
  UF Valuation
  NT Farm appraisal
    Forest appraisal
    Land appraisal
  RT Assessment
    Land values

APPRAISING
  USE EVALUATION

APPROACH CHANNELS
  RT Intake channels

APPROPRIATION DOCTRINE
  USE WATER LAWS

APPROPRIATION (WATER RIGHTS)
  BT Prior appropriation

AQUACULTURE
  UF Aquiculture
    Fish farming

AQUATIC ALGAE
  UF Freshwater algae
  BT Algae
    Aquatic life
    Aquatic plants
    Plants (botany)
  NT Chara
    Diatoms
    (Continued)

AQUATIC ALGAE (Continued)
  NT Dinoflagellates
    Euglena
    Euglenophyta
    Marine algae
    Nuisance algae
    Ochromonas
    Odor-producing algae
    Pyrrophyta
    Rhodophyta
    Scenedesmus
    Taste-producing algae
  RT Water pollution sources

AQUATIC ANIMALS
  UF Aquatic invertebrates
    Freshwater animals
    Hydrophilic animals
  BT Animals
    Aquatic life
  NT Aquatic insects
    Bass
    Brine shrimp
    Carp
    Catfishes
    Cold-water fish
    Commercial shellfish
    Crustaceans
    Fish
    Fishes
    Flatfishes
    Freshwater fish
    Freshwater fishes
    Herrings
    Killifishes
    Marine fishes
    Minnows
    Pan fish
    Perch
    Saline water fish
    Salmon
    Sea nettles
    Shellfish
    Shrimp
    Trout
    Zooplankton
  RT Limnology
    Small animals (mammals)

AQUATIC BACTERIA
  UF Freshwater bacteria
  BT Aquatic life
    Aquatic microorganisms
    Aquatic plants
    (Continued)

AQUATIC BACTERIA (Continued)
BT Bacteria
Microorganisms
Plants (botany)
Seston
RT Limnology
Sewage bacteria
Water pollution sources

AQUATIC BIOLOGY
UF Hydrobiology
Water biology
NT Freshwater biology
RT Indicator species
Water analysis
Water chemistry

AQUATIC BIRDS
USE WATER BIRDS

AQUATIC COMMUNITIES
BT Biological communities
NT Aquatic animals
Aquatic plants
Benthos
RT Biomass
Riparian vegetation

AQUATIC DRIFT
UF Drift (aquatic)
BT Drift
RT Seston

AQUATIC ENVIRONMENT
UF Fish environment
BT Environments
RT Limnology
Swamps
Shores
Turbidity
Water pollution
Water properties
Water temperature
Wetlands

AQUATIC FUNGI
UF Freshwater fungi
BT Aquatic life
Aquatic microorganisms
Aquatic plants
Fungi
Microorganisms
Plants (botany)
Seston
RT Water pollution sources

AQUATIC HABITATS
BT Environments
Habitats
NT Deep-water habitats
RT Farm ponds
Limnology
Ponds
Swamps
Terrestrial habitats
Wetlands

AQUATIC INSECTS
BT Animals
Aquatic animals
Aquatic life
Insects
Invertebrates
RT Limnology
Water pollution sources

AQUATIC INVERTEBRATES
USE AQUATIC ANIMALS

AQUATIC LIFE
NT Aquatic algae
Aquatic animals
Aquatic bacteria
Aquatic fungi
Aquatic microorganisms
Qquatic plants
Aquatic weeds
Bass
Brine shrimp
Cold-water fish
Commercial shellfish
Crustaceans
Ditch grass
Fish
Floating plants
Floating weeds
Freshwater fish
Killifishes
Marine plants
Odor-producing algae
Pan fish
Periphyton
Phytoplankton
Plankton
Pondweeds
Rooted aquatic plants
Saline water fish
Sea nettles
Shellfish
Shrimp
(Continued)

AQUATIC LIFE (Continued)
NT Submerged plants
Sunfishes
Taste-producing algae
Water birds
Water fowl
Wild rice
Zooplankton
RT Limnology
Seston
Water hyacinth

AQUATIC MICROBIOLOGY
UF Water microbiology
BT Microbiology

AQUATIC MICROORGANISMS
UF Freshwater microorganisms
BT Aquatic life
Microorganisms
Seston
NT Aquatic bacteria
Aquatic fungi
RT Limnology
Sewage bacteria
Water pollution sources

AQUATIC PLANT CONTROL
USE AQUATIC WEED CONTROL

AQUATIC PLANTS
UF Aquatic vascular plants
Aquatic vegetation
Freshwater plants
BT Aquatic life
Plants (botany)
NT Aquatic algae
Aquatic bacteria
Aquatic fungi
Aquatic weeds
Ditch grass
Floating plants
Floating weeds
Marine plants
Odor-producing algae
Phytoplankton
Pondweeds
Rooted aquatic plants
Submerged plants
Taste-producing algae
Wild rice
RT Limnology
Water hyacinth

AQUATIC POPULATIONS
BT Population
NT Fish populations
RT Food chains
Limnology
Plant populations

AQUATIC PRODUCTIVITY
BT Productivity
RT Creel census

AQUATIC SOILS
UF Submerged soils
BT Earth materials
Materials
Soils
Soil types

AQUATIC VASCULAR PLANTS
USE AQUATIC PLANTS

AQUATIC VEGETATION
USE AQUATIC PLANTS

AQUATIC WEED CONTROL
UF Aquatic plant control
BT Control
Pest control
Weed control

AQUATIC WEEDS
UF Water weeds
BT Aquatic life
Aquatic plants
Plants (botany)
Weeds
NT Floating weeds
Pondweeds
Submersed weeds
RT Capacity reduction
Irrigation ditches
Test canals
Water hyacinth

AQUEDUCTS
BT Closed conduits
Conduits
Conveyance structures
Hydraulic structures
Waterways
RT Water conduits

AQUEOUS SOLUTIONS
RT Liquids

AQUICULTURE
USE AQUACULTURE

AQUIFER MODELS
BT Hydrologic models

AQUIFER-STREAM RELATIONSHIPS
USE SURFACE-GROUNDWATER RELATIONSHIPS

AQUIFER TESTS
RT Specific capacity

AQUIFERS
UF Confined aquifers
Groundwater reservoirs
Unconfined aquifers
Water horizons
Water-bearing formations
NT Artesian aquifers
RT Drawdown
Conjunctive use
Geohydrologic units
Geologic formations
Ground water
Ground water barriers
Ground water basins
Ground water flow
Ground water geology
Ground water hydrology
Ground water recharge
Ground water sources
Inflow
Natural recharge
Porosity
Porous media
Safe yield
Specific capacity
Storage coefficient
Underflow
Underground storage
Underground water storage
Water sources

AQUICLUDES
RT Strata

AQUICULTURE
NT Fish farming
RT Hydroponics

ARABLE LAND
BT Land
RT Irrigable land

ARBORICULTURE
RT Shade trees
Tree planting

ARC VOLTAGES
USE ELECTRIC ARCS

ARCH BRIDGES
BT Bridges (structures)
RT Railroad bridges

ARCH DAMS
UF Multiple arch dams
BT Dams
NT Multiple arch dams
Thin arch dams
RT Arches
Gravity dams

ARCH TRUSSES
RT Railroad bridges

ARCHAEOLOGY
RT Anthropology
Cultures
Ethnology
Fossils
Geology
History
Man
Paleoclimatology
Paleontology

ARCHITECTURAL CONTROL
BT Historic buildings
RT Architecture
Conservation and restoration
Zoning

ARCHITECTURAL CONTROL - LEGISLATION
USE ZONING LEGISLATION

ARCHITECTURAL DETAILS
UF Architecture - details
RT Architectural drawing
Stairs

ARCHITECTURAL DRAWING
UF Projection
RT Architectural details

ARCHITECTURE
NT Architecture, Domestic
Architecture, Modern
Architecture and climate
(Continued)

ARCHITECTURE (Continued)
RT Office buildings
Trends in house construction

ARCHITECTURE AND CLIMATE
UF Climate and architecture
Climate control
BT Architecture
Climate
Climatology
RT Heating
Humidity
Winter construction

ARCHITECTURE - DETAILS
USE ARCHITECTURAL DETAILS

ARCHITECTURE, DOMESTIC
BT Architecture
RT Housing
Landscape architecture
Model houses

ARCHITECTURE, MODERN
UF Contemporary architecture
Modern architecture
BT Architecture

ARCHES
RT Arch dams
Bridges (structures)
Buildings
Structural design

ARCS (ELECTRIC)
USE ELECTRIC ARCS

AREA
BT Geographic variables
NT Concentric zones
RT Streets
Zones

AREA DELINEATIONS
BT Urban patterns

AREA DEVELOPMENT
RT Economic development

AREA MEASURE
NT Acre
Hectare

AREA PLANNING
BT Urban planning

AREA PRESERVATION
RT Urban renewal

AREA REDEVELOPMENT
BT Redevelopment
RT Urban sociology

AREA REDEVELOPMENT ACT
RT Urban planning

AREA REDEVELOPMENT ADMINISTRATION
BT Urban administration
RT Urban planning

AREA REGULATIONS
BT Zoning

ARGIC WATER
USE VADOSE WATER

ARID CLIMATES
BT Climates
RT Arid lands
Climatic zones
Climatology
Deserts
Dry seasons
Dune sands
Geography
Playa lakes
Rainfall
Semiarid climates
Summer precipitation
Temperate
Weather

ARID LANDS
BT Land
RT Deserts
Dry farming
Fallowing
Lower sonoran life zone
Reclamation states
Semiarid land
Sierozems
Upper sonoran life zone

ARIDITY
RT Precipitation deficit

ARMY FAMILY HOUSING
  USE TEMPORARY HOUSING

AROMATIC COMPOUNDS
  UF Aromaticity
  NT Phenols

AROMATICITY
  USE AROMATIC COMPOUNDS

ARROYOS
  BT Land forms
  RT Canyons
    Dry beds
    Ephemeral streams
    Gullies
    Gully erosion
    Intermittent streams
    Ravines
    Semi-arid climates

ARROW DIAGRAMS
  BT Diagrams

ARSENATE MINERAL DEPOSITS
  USE NONMETALLIFEROUS MINERAL DEPOSITS

ARSENIC
  BT Metalloids

ARTEMIA
  USE BRINE SHRIMP

ARTERIAL ROUTE
  BT Roads

ARTERIAL STREETS
  BT Roads

ARTERIAL URBANIZATION
  BT Urban growth
    Urban patterns

ARTESIAN AQUIFERS
  BT Aquifers

ARTESIAN WATER
  UF Confined water
  BT Ground water
    Water

ARTESIAN WELLS
  BT Water wells
(Continued)

ARTESIAN WELLS (Continued)
  BT Wells
  RT Ground water

ARTHROPODA
  BT Invertebrates
  NT Aedes
    Anopheles
    Anoplura
    Arachnida
    Barnacles
    Bees
    Beetles
    Bird lice
    Blattidae
    Hymenoptera
    Isoptera
    Pterygota
    Termites

ARTIFICIAL FLOW
  USE DEVELOPED WATERS

ARTIFICIAL PRECIPITATION
  UF Induced precipitation
  BT Weather modification
  RT Cloud seeding
    Precipitation (atmospheric)
    Rain

ARTIFICIAL RECHARGE
  BT Recharge
    Water management (applied)
  NT Induced infiltration
  RT Furrow systems
    Ground water recharge
    Irrigation practices
    Irrigation recharge
    Irrigation wells
    Spraying basins
    Water salvage
    Water spreading
    Waste water disposal

ARTIFICIAL REGENERATION (FORESTS)
  USE FOREST REGENERATION (ARTIFICIAL)

ARTIFICIAL SATELLITES
  USE SATELLITES (ARTIFICIAL)

ARTIFICIAL TEXTILE FIBERS
  USE SYNTHETIC FIBERS

ARTIFICIAL USE
RT Mill dams
Stock water

ARTIFICIAL WATERCOURSES
BT Watercourses (legal)

ARTIFICIAL WEATHERING TESTS
BT Environment tests

ARTIODACTYLA
BT Eutheria
Mammals
Ungulata
Vertebrates
NT Beef cattle
Camals
Cattle
Dairy cattle
Deer
Goats
Ruminants
Sheep
Swine

ARTS
NT Drama
Graphic arts
Literature (fine arts)
Music
Performing arts
Sculpture
RT Architecture
Esthetics
Humanities
Interior decorating

ASH (FLY)
USE FLY ASH

ASH TREES
UF Farxinus species
BT Crops
Deciduous trees
Dicots
Horticultural crops
Plants (botany)
Trees

ASHES
RT Fertilizers
Residues

ASPHALT CEMENT
BT Asphalts
Bitumens
Bituminous cements
Bituminous materials
Cements
RT Linings

ASPHALT EMULSIONS
RT Sealants

ASPHALT PLANTS
BT Construction equipment
Construction plants
Equipment

ASPHALTS
BT Bitumens
Bituminous materials
Construction materials
Hydrocarbons
NT Asphalt cement
RT Linings
Pavings
Seals (stoppers)
Water stops

ASSAY
BT Analytical techniques
NT Bioassay
RT Chemical analysis
Evaluation
Foreign tests
Laboratory tests
Pollutant identification
Sampling
Tests
Warning systems

ASSAYING
RT Chemical analysis
Chemical tests
Mineral deposits
Sampling

ASSESSMENTS
BT Taxation
NT Appraisals
Evaluation
Land values
Real property assessment
Valuation
Valuation data
(Continued)

ASSESSMENTS (Continued)
RT Personal taxes
Real estate
Statistical analysis
Valorization

ASSETS
NT Money
RT Assignable causes
Chance causes
Revenue

ASSISTANCE TO UNDERDEVELOPED AREAS
USE TECHNICAL ASSISTANCE PROGRAMS

ASSOCIATIONS
USE ORGANIZATIONS
SOCIETIES

ASTRONOMICAL BODIES
UF Celestial bodies
NT Asteroids
Meteors
Moon
Planets
Stars
Sun
RT Meteorites
Satellites (artificial)

ASTRONOMY
RT Stars
BT Physical sciences

ATLASSES
RT Maps

ATMOSPHERE
BT Natural resources
RT Fallout
Fronts (atmospheric)
Ozone
Stratus clouds

ATMOSPHERE CONTAMINATION CONTROL
RT Air pollution

ATMOSPHERIC ABSORPTION
USE ATMOSPHERIC ATTENUATION

ATMOSPHERIC ATTENUATION
UF Atmospheric absorption
BT Attenuation

ATMOSPHERIC CIRCULATION
UF Airstreams
Planetary circulation
BT Circulation
General circulation

ATMOSPHERIC COMPOSITION
RT Air
Earth atmosphere
Extraterrestrial atmospheres

ATMOSPHERIC CONDENSATION
BT Condensing

ATMOSPHERIC CORROSION
BT Corrosion

ATMOSPHERIC CORROSION TESTS
BT Corrosion tests

ATMOSPHERIC DENSITY
BT Density (mass/volume)

ATMOSPHERIC DIFFUSION
RT Atmospheric physics

ATMOSPHERIC DISTILLATION
BT Distillation
Separation

ATMOSPHERIC DISTURBANCES
RT Cyclones
Fronts (meteorology)
Storms
Wind (meteorology)

ATMOSPHERIC ELECTRICITY
RT Atmospherics
Coronas
Earth atmosphere

ATMOSPHERIC ENTRY
NT Reentry

ATMOSPHERIC FALLOUT
USE FALLOUT

ATMOSPHERIC MODELS
RT Weather forecasting

ATMOSPHERIC NOISE
USE ATMOSPHERICS

ATMOSPHERIC PHYSICS
UF Aerophysics
Atmospheric temperature
NT Cloud physics
RT Atmospheric diffusion

ATMOSPHERIC POLLUTION
USE AIR POLLUTION

ATMOSPHERIC PRECIPITATION
USE PRECIPITATION (ATMOSPHERIC)

ATMOSPHERIC PRESSURE
UF Barometric pressure
Pressure pattern flight
BT Pressure

ATMOSPHERIC RADIATION

ATMOSPHERIC REFRACTION
BT Refraction

ATMOSPHERIC SCATTERING
RT Diffusion
Electromagnetic scattering

ATMOSPHERIC SOUNDING
RT Depth sounding

ATMOSPHERIC TEMPERATURE
USE ATMOSPHERIC PHYSICS

ATMOSPHERIC TIDES
BT Tides

ATMOSPHERIC WATER
USE METEORIC WATER

ATMOSPHERICS
UF Atmospheric noise
Sterics
BT Electromagnetic inferference
Electromagnetic noise
Electromagnetic radiation
Natural radiofrequency interference
Radiofrequency interference
RT Atmospheric electricity

ATOLLS
BT Islands (land forms)
Land forms
RT Carbonate rocks
Coral
Ecology
Islands
Oceans
Reefs

ATOMIC BOMB
USE PROTECTIVE CONSTRUCTION

ATOMIC BOMBPROOFING
USE PROTECTIVE CONSTRUCTION

ATOMIC ENERGY
USE NUCLEAR ENERGY

ATOMIC EXPLOSIONS
USE NUCLEAR EXPLOSIONS

ATOMIC PLANTS
USE NUCLEAR POWER PLANTS

ATOMIC POWER
USE NUCLEAR ENERGY

ATOMIC REACTORS
USE NUCLEAR REACTORS

ATTACHED COTTAGE ESTATES
BT City forms

ATTACHED HOUSING
USE ROW HOUSES

ATTENUATION
NT Atmospheric attenuation

ATTERBERG LIMITS
RT Soil plasticity

ATTRACTANTS
NT Insect attractants

AUDITORIUMS
BT Public buildings
RT Cultural centers

AUFWUCHS
USE PERIPHYTON

AUGERS
RT Samplers

AUGMENTATION FLOW
USE FLOW AUGMENTATION

AUTECOLOGY
BT Plant ecology

AUTO COURTS
USE TOURIST COURTS
TRAILERS AND TRAILER COURTS

AUTOCRATIC CITIES
BT Types of cities

AUTOMATIC CONTROL
RT Control systems

AUTOMATIC DATA PROCESSING
USE DATA PROCESSING

AUTOMATION
RT Computers
Control equipment
Data processing
Distribution systems
Equipment
Instrumentation
Measurement
Planning

AUTOMOBILES
UF Cars (automobiles)
BT Motor vehicles
RT Parking areas

AUTOMOBILES - TRAILERS
USE MOBILE HOMES
TRAILERS AND TRAILER COURTS

AUTOROTATION
BT Gyration

AUTUMN
UF Fall
BT Seasons

AVAILABLE MOISTURE
USE MOISTURE AVAILABILITY

AVALANCHES
UF Snowslides
NT Debris avalanches
RT Disasters
Earth movements
Earthquake damage
Land slides
Safety
Snow
Snow mechanics
Snow packs

AVENA SATIVA
USE OATS

AVES
USE BIRDS

AVULSIONS
BT Property rights

AXIAL COMPRESSION
RT Soil compression tests

AXIAL LOADS
BT Loads (forces)

AXIAL OR RADIAL PATTERN
BT Street layouts

AXIAL PATTERN
BT Highway patterns
Urban patterns

AXIAL STRAIN
BT Strain

AZONAL
BT Soil types
NT Alluvium

AZONAL FACTORS
BT Regionalism
Spatial analysis

B HORIZON
BT Soil horizons
RT A horizon
C horizon
Land classification
Soil profiles

BACKFILLS
BT Fills

BACKWATER
RT Dams
Floods
Flow profiles
Streams
Water levels
Water surface profiles

BACKWATER PROFILES
BT Profiles
Water surface profiles
RT Flow profiles

BACTERIA
BT Microorganisms
Parasites
Plants (botany)
NT Aerobic bacteria
Aquatic bacteria
Coliform bacteria
Clostridium
Enterobacteriaceae
Eubacteriales
Nitrogen fixing bacteria
Salmonella
Sewage bacteria
Soil bacteria
RT Waste stabilization ponds

BACTERICIDES
UF Germicides
BT Chemicals
Pesticides
Poisons

BACTERIOPHAGE
BT Microorganisms
Viruses
RT Bacteria
Biocontrol
Water pollution sources

BADLANDS
RT Denudation
Erosion
Gully erosion
Interfluves
North Dakota
Piping
Piping (erosion)
Quantitative geomorphology
Runoff
Sedimentary rocks
Slopes
South Dakota
Topographic features
Watersheds (basins)
Weathering

BAFFLE PIERS
BT Piers

BAILERS
RT Sand lines

BALANCE (ENERGY)
USE ENERGY BALANCE

BALANCE OF NATURE
UF Ecological balance
RT Energy balance
Environment
Food pyramids
Limiting factors

BALANCE (WATER)
USE WATER BALANCE

BALANCED CITIES
BT Types of cities

BALANCED COMMUNITY
BT Community types

BALANCED ENVIRONMENT
BT Urban ecology

BALANCED SUBURBS
BT Suburbs
RT Economic base

BALLOONS
BT Instrumentation

BALSAM FIR TREES
UF Abies balsamea
BT Coniferous trees
Conifers
Fir trees
Gymnosperms
Plants (botany)
Trees

BANDING
USE MARKING TECHNIQUES

BANK CUTTING
USE BANK EROSION

BANK EROSION
UF Bank cutting
BT Erosion
RT Banks
Bank stability
Bank stabilization
Sediment production

BANKING
BT Finance
NT Commercial banks
RT Building and loan associations
Loans

BANKING EARTH
USE EMBANKMENTS

BANK PROTECTION
UF River bank protection
Stream bank protection
RT Banks
Bank stability
Bank stabilization
Channel protection
Erosion control
Mattreesses
Shore protection
Slope protection

BANK STABILITY
BT Stability
RT Bank erosion
Bank protection
Banks
Bank stabilization
Erosion control
Washouts

BANK STABILIZATION
BT Stabilization
RT Bank erosion
Bank protection
Bank stability

BANK STORAGE
BT Storage
Water storage
RT Banks
Surface waters
Water levels
Water table

BANKRUPTCY
RT Government regulations

BANKS
BT Commerce
NT Capital market
RT Blight
Building cycles
Economic analysis
Economic base
Savings banks
Urban renewal

BANKS
RT Bank erosion
Bank protection
Bank stability
Bank storage
Channel beds
Channel erosion
Channel morphology
Channels
Embankments
High water mark
Low water mark
Mattresses
Meanders
Overtopping
Phreatic lines
Reefs
Regimes
Revetments
Riparian land
Riparian plants
Riparian rights
Riparian water loss
Riprap
Riverbeds
Rivers
(Continued)

BANKS (Continued)
RT Roadbanks
Seepage
Shore protection
Slopes
Streambeds
Stream meandering
Streams
Washouts
Water surface

BARCHANS
RT Ergs

BARIUM
BT Alkaline earth metals
Chemical elements
Metals
RT Magnesium

BARLEY
UF Hordeum vulgare
BT Agronomic crops
Cereal crops
Crops
Field crops
Grasses
Monocots
Plants (botany)
RT Grains (crops)

BARNS
BT Farm buildings

BAROMETRIC PRESSURE
USE ATMOSPHERIC PRESSURE

BARRIERS
BT Boundaries
NT Debris barriers
Ground water barriers
Salt water barriers
Shelterbelts
Windbreaks
RT Borders
Dikes
Earth dams
Ecological distribution
Levees
Limiting factors
Locks (waterways)
Obstruction to flow
Sea walls
Seals (stoppers)

BARRIERS (DEBRIS)
USE DEBRIS BARRIERS

BARRIERS (SALT WATER)
USE SALT WATER BARRIERS

BARRIERS (SEA WATER)
USE SALT WATER BARRIERS

BARS (SAND)
USE SAND BARS

BARYSPHERE
USE EARTH CORE

BASCULE BRIDGES
BT Bridges (structures)
Engineering structures
RT Railroad bridges

BASE COURSES
RT Construction materials
Highways
Pavements
Roads

BASE FLOW
UF Base runoff
BT Flow
Fluid flow
Movement

BASE LINES
UF Land surveys
RT Plane surveying
Surveying
Surveys

BASE MAPS
BT Mapping
Maps
RT Hydrographic charts
Topographic maps

BASE RUNOFF
USE BASE FLOW

BASEMENTLESS HOUSES
UF Houses basementless
RT Crawlspaces
Utility rooms

BASEMENTS
UF Cellars
RT Building construction
Foundations (building)

BASIC ROCKS
RT Igneous rocks
Volcanic rocks

BASIN AND RANGE TOPOGRAPHY
BT Geology
Geomorphology
Topographic features
RT Alluvial fans
Bajada
Basins
Block faulting
Erosion
Pediments
Piedmont land forms
Playas
Structural geology
Tectonics
Tertiary period

BASIN-WIDE DEVELOPMENT
USE RIVER BASIN DEVELOPMENT

BASINS
BT Land forms
NT Closed basins
Drainage basins
Lake basins
Sedimentary basins (geological)
Setting basins
Spreading basins
RT Ground water basins
Lagoons (land forms)
River basins
Stream valley
Structural geology
Tanks (containers)

BASS
UF Largemouth bass
Micropterus species
Redeyl bass
Smallmouth bass
Spotted bass
Suwannee bass
BT Animals
Aquatic animals
(Continued)

BASS (Continued)
BT Aquatic life
Fish
Freshwater fish
Pan fish
Sunfishes
Wildlife
Vertebrates

BATRACHIA
USE AMPHIBIA

BATTERIES (STORAGE)
USE ELECTRIC BATTERIES

BATTURE
USE BEDS

BAYOUS
BT Bodies of water
Land forms

BAYS (STRUCTURAL)
RT Bridges (structures)
Buildings
Loads (forces)
Structural design
Trusses

BAYS (TOPOGRAPHIC FEATURES)
UF Embayments
BT Bodies of water
Land forms

BEACH EROSION
UF Shore erosion
BT Erosion

BEACH SANDS
BT Earth materials
Granular materials
Materials
Sands
Soils
Soil types

BEACHES
BT Land forms
NT Ocean beaches
RT Beach erosion
Beaching
Beach sands
Berms
Coasts
(Continued)

BEACHES (Continued)
RT Deposition
Dunes
Intertidal zone
Lake shores
Lagoons (land forms)
Land morphology
Littoral drift
Sand bars
Shores
Terrain
Littoral drift

BEACHING
RT Beaches
Slopes
Waves

BEAMS
RT Structural concrete

BEAMS (CHANNEL)
USE STRUCTURAL SHAPES

BEAMS STRUCTURAL
RT Girders

BEARING CAPACITY
RT Soil compression tests
Stability

BEAUTIFICATION
NT Highway beautification
RT Advertising signs
Ground cover
Landscaping
Lighting

BEAVERS
USE RODENTS

BED LOAD
BT Sediment load
Sediments

BEDDING (GEOLOGY)
USE BEDS (GEOLOGY)

BEDDING PLANES
USE BEDS (GEOLOGY)

BEDLOAD MOVEMENTS
RT Flooding
Gradients
Sediment transport

BED MOVEMENTS
RT Currents (water)
Gradients
Sediments
Sediment transport
Streambeds
Velocity

BED RIPPLES
RT Streambeds
Velocity

BEDROCK
BT Geologic formations
In situ rock
Rocks
RT Outcrops

BED ROUGHNESS
BT Roughness

BEDS
UF Batture
Submerged lands
NT Beds under water
Channel beds
Dry beds
Lake beds
River beds
Streambeds
RT Meanders
Ownership of beds
Regime
Riparian water loss

BEDS (GEOLOGY)
UF Bedding (geology)
Bedding planes
BT In situ rock
RT Strata

BEDS UNDER WATER
BT Beds

BEEF CATTLE
BT Artiodactyla
Cattle
Domestic animals
Eutheria
Livestock
Mammals
Ruminants
Ungulata
Vertebrates
RT Dairy cattle

BEGINNING FARMER EDUCATION
USE YOUNG FARMER EDUCATION

BEHAVIOR
NT Animal behavior
Insect behavior
Social behavior
Structural behavior
RT Ecology
Sociology

BEHAVIOR (STRUCTURAL)
USE STRUCTURAL BEHAVIOR

BEHAVIORAL SCIENCES
UF Behavioral technology
NT Psychology
Sociology
RT Behavior
Behavioral counseling
Behavioral science research
Operant conditioning

BEHAVIORAL TECHNOLOGY
USE BEHAVIORAL SCIENCES

BELT HIGHWAYS
UF Circumferential highways
BT Highways
Roadways

BELL PIERS
BT Piers

BELTWAY
BT Circumferential highway system
Highways

BENCH MARKS
RT Mapping
Plane surveying
Surveying
Surveys

BENEFICIAL PURPOSE
USE REASONABLE USE

BENEFICIAL USE
RT Non-consumptive use

BENEFICIATION
RT Cyaniding (benefication)
(Continued)

BENEFICIATION (Continued)
RT Leaching
Purification

BENEFIT-COST ANALYSIS
USE COST-BENEFIT ANALYSIS

BENEFITS
NT Annual benefits
Annual equivalent benefits
Comparative benefits
Deferred benefits
Direct benefits
Estimated benefits
Fringe benefits
Implied benefits
Indirect benefits
Induced benefits
Intangible benefits
Lagged benefits
Manual benefits
Marginal benefits
Monetary benefits
Non-reimbursable benefits
Project benefits
Public benefits
Real benefits
Tangible benefits
RT Engineering economy

BENTHOS
RT Littoral

BENTONITE
BT Earth materials
Expansive clays
Expansive soils

BERNDULLI EQUATION
USE ENERGY EQUATION

BERNOULLI EQUATION
USE ENERGY EQUATION

BERYLLIUM
BT Alkaline earth metals
Metals

BETULA SPECIES
USE BIRCH TREES

BIAXIAL LOADS
BT Loads (forces)

BIBLIOGRAPHY
RT Planning documentation

BICYCLES
BT Ground vehicles
RT Motorcycles

BIDS
BT Contract administration

BIENNIAL PLANTS
RT Perennial plants

BIG GAME
BT Animals
Mammals
Wildlife
NT Deer
Peccary
RT Fish and wildlife
Hunting

BILLBOARDS
RT Zoning

BILLS OF LADING
RT Interstate commerce

BIOASSAY
BT Analytical techniques
Assay
RT Bioindicators
Biology
Chemical analysis
Laboratory animals
Pesticide residues
Pollutant identification
Soil analysis
Toxicity
Water analysis
Water pollution sources

BIOCATALYSTS
USE HORMONES

BIOCHEMISTRY
UF Physiochemistry

BIOCIDES
USE PESTICIDES

BIOCONTROL
UF Biological control
BT Control

BIODEGRADATION
UF Biological degradation
BT Decomposition
Degradation (decomposition)
NT Sludge digestion
RT Liquid wastes
Sewage sludge
Sludge treatment
Soil disposal fields
Solid wastes
Water assimilative capacity
Water pollution treatment

BIO-ENERGETICS
USE ENERGY BUDGET

BIOENGINEERING
USE BIOMEDICAL ENGINEERING

BIOGEOGRAPHY
BT Geography
RT Biomes
Ecological distribution

BIOLOGICAL COMMUNITIES
UF Communities (biological)
Synecology
NT Aquatic communities
Ecotypes
RT Ecological distribution
Environmental gradient
Food chains
Life zones
Limnology
Zoology

BIOLOGICAL CONTROL
USE BIOCONTROL

BIOLOGICAL CONTROLS
NT Entomophagy
Insect control
Rodent control
Weed control
RT Animal control
Application methods
Chemical methods
Entomology
Environmental effects
Mechanical controls
Pests (insects)
Populations

BIOLOGICAL DEGRADATION
USE BIODEGRADATION

BIOLOGICAL PROPERTIES
BT Properties
NT Heat resistance (biological)
RT Limnology
Organoleptic properties
Soil stability
Waste identification
Water properties

BIOLOGICAL SCIENCES
UF Life sciences
BT Natural sciences
NT Anatomy
Biology
Botany
Genetics
Neurology
Ophthalmology
Pathology
Physiology
RT Conservation education
Marine biology

BIOLOGICAL SURVEYS
RT Demographic surveys

BIOLOGICAL TREATMENT
BT Treatment

BIOLOGICAL WARFARE
UF Warfare (biological)
RT Water pollution sources

BIOMEDICAL ENGINEERING
UF Bioengineering
RT Biomedical measurements
Human factors
Medical electronics
Prosthetic devices

BIOLOGY
BT Sciences
NT Soil biology
Zoology
RT Ecology
Environmental effects
Food chains
Limnology
Pollen
Seeds
Soil water-plant relationships

BIOMES
NT Coniferous forests
Conifers
Desert Biome
Deserts
Grasslands
Pasture
Rain forests
RT Ecology
Life zones
Limnology
Zoology

BIONOMICS
USE ECOLOGY

BIRCH TREES
UF Betula species
BT Crops
Deciduous trees
Dicots
Horticultural crops
Plants (botany)
Trees

BIRD EGGS
BT Eggs

BIRD NAVIGATION
USE BIRDS

BIRD TYPES
RT Animals
Birds
Ducks
Migratory birds
Non-game birds
Water birds
Waterfowl

BIRDS
UF Aves
Bird navigation
Fowl
Wild birds
BT Animals
Vertebrates
NT Migratory birds
Non-game birds
Game birds
Water birds
Water fowl
RT Chickens
Ducks
(Continued)

BIRDS (Continued)
RT Game birds
Geese
Pheasants
Pigeons
Poultry
Preservation
Turkeys

BIRTH AND DEATH PROCESSES
RT Stochastic processes

BIRTH CONTROL
RT Contraceptives
Demography

BITTERBRUSH
USE PURSHIA

BITUMENS
BT Hydrocarbons
Organic compounds
NT Asphalt cement
Asphalts
Bituminous cements
Bituminous materials
Coal tar
Gilsonite
Natural bitumens
Petroleum

BITUMINOUS CEMENTS
BT Bitumens
Bituminous materials
Cements
Hydrocarbons
NT Asphalt cement
RT Linings
Paving

BITUMINOUS COAL
UF Coal
BT Carbonaceous rocks
Coal
Fossil fuels
Nonclastic rocks
Rocks
Sedimentary rocks

BITUMINOUS MATERIALS
BT Bitumens
Hydrocarbons
Organic compounds
NT Asphalt cement
(Continued)

BITUMINOUS MATERIALS (Continued)
NT Asphalts
Bituminous cements
Coal tar

BLACK LIQUORS
BT Industrial wastes

BLACK LOCUST TREES
UF Robinia pseudoacacia
BT Crops
Deciduous trees
Dicots
Horticultural crops
Plants (botany)
Trees

BLACK POWDER
USE EXPLOSIVES

BLANKET GROUTING
BT Grouting

BLANKETS
RT Earth linings
Seepage control

BLANKS
NT Gravel blankets
Pervious blankets

BLASTING
NT Presplit blasting
Smooth wall blasting
RT Rapid excavation
Tunnel construction
Tunneling
Underground explosions

BLASTS
NT Underwater explosions
RT Explosions
Safety
Shear waves
Shock (Mechanics)
Shock tests
Shock waves

BLIGHT
BT Plant diseases
NT Residential blight
Rundown neighborhoods
Rural blight
Shanty towns
(Continued)

BLIGHT (Continued)
NT Skid row
Slumlord abuses
Slums
Urban decay
Vertical slum
RT Code enforcement
Urban redevelopment

BLIGHTED AREAS
NT Slums

BLIMPS
USE AIRSHIPS

BLOCK
BT Spatial patterns

BLOCK DATA MAPS
BT Census areas

BLOCK DIAGRAM
BT Diagrams
Urban morphology

BLOCK FAULTING
RT Denudation
Uplift

BLOCK GRANTS
BT Grants-in-aid

BLOCK NUMBERING SYSTEM
BT Location systems

BLOCK UNITS
BT Census units

BLOTCHES
BT Plant diseases

BLUEGILLS
USE SUNFISHES

BLUEGRASSES
BT Crops
Grasses
Monocots
Plants (botany)
NT Kentucky bluegrass
Merion bluegrass
RT Agronomic crops
Forage grasses
Hay
Turf grasses

BLUE-JOINT GRASS
USE WHEATGRASSES

BOATING
UF Canoeing
Sailing
BT Recreation
Water sports
RT Boats
Project benefits

BOATS
RT Vehicles

BODIES OF WATER
UF Water bodies
NT Acid streams
Alluvial streams
Bayous
Bays (topographic features)
Effluent streams
Ephemeral streams
Estuaries
Farm ponds
Gulf
Iced lakes
Impoundments
Influent streams
Inland waterways
Inlet (waterways)
Intermittent streams
Interstate rivers
Lagoons
Lakes
Multiple purpose reservoirs
Navigable waters
Non-perennial streams
Oceans
Oxidation lagoons
Perennial streams
Playa lakes
Ponds
Reservoirs
Rivers
Running waters
Saline lakes
Springs (water)
Standing waters
Stock ponds
Streams
Strip mine lakes
Surface waters
Thermal springs
Tributaries
Underground streams
(Continued)

BODIES OF WATER (Continued)
NT Warm springs
Waste stabilization ponds
Wild rivers
RT Harbors
Swamps
Underground streams
Water sources
Water surface
Wetlands

BOG SOILS
BT Intrazonal soils

BOGS
BT Land forms
NT Peat bogs
RT Humus
Lakes
Swamps
Waterlogged land

BOILER FEED WATER
BT Feed water
Industrial water
Water
RT Boilers
Electrolytes
Heated water
Pre-treatment (water)
Water quality

BOILS (FROST)
USE FROST ACTION

BOILS (SAND)
USE SAND BOILS

BOMB-PROOF CONSTRUCTION
USE PROTECTIVE CONSTRUCTION

BOMB SHELTERS
USE CIVIL DEFENSE
CIVILIAN DEFENSE
PROTECTIVE CONSTRUCTION

BOND ISSUES
BT Finance
Municipal finances
RT Capital
Debt
Economic base
Economic characteristics
School financing

BOND YIELD TABLES
RT Bonds
Finance

BONDS
UF Debentures
NT Municipal bonds
State bonds
RT Bond yield tables
Maturity

BOOK INDUSTRY
NT Publishing

BOOM TOWNS
BT Urban type

BORATE MINERAL DEPOSITS
USE NONMETALLIFEROUS MINERAL DEPOSITS

BORDER CITIES
BT Cities

BORDER IRRIGATION
BT Furrow irrigation
Irrigation
Irrigation systems
Surface irrigation
RT Edge effect
Flood irrigation
Furrows
Irrigation

BORDERS
RT Barriers

BOREHOLE CAMERAS
RT Exploration
Soil investigations
Subsurface investigations

BORING
RT Cutting
Drilling
Penetration

BORINGS
RT Samplers
Samples
Sampling

BORON
BT Metalloids
RT Boron isotopes

**BOROUGHS**
BT Municipalities
Political areas

**BORROW AREAS**
RT Earth dams
Earth moving
Pits
Soil investigations

**BOTANY**
UF Phytology
NT Astrobotany
Ethnobotany
Mycology
Paleobotany
RT Agriculture
Agronomy
Plants

**BOTTOM MINES**
RT Shallow water mines

**BOTTOM SEDIMENTS**
BT Sediments

**BOTTOM WATER**
BT Water
RT Ground water

**BOTULISM**
BT Food contamination
Food poisoning

**BOULDER CLAY**
BT Clay soils
Cohesive soils
Soils
RT Glacial till

**BOULDERS**
BT Earth materials

**BOULDERS (GLACIAL)**
USE GLACIAL DEPOSITS

**BOULEVARDS**
BT Highways
Roads
Streets

**BOUNDARIES**
NT Barriers
Changing boundary
Frontiers
Municipal boundaries
Natural barriers
Natural boundary
Physical boundaries
Sediment - water interfaces
State boundaries
Transition zones
RT Land surveying
Land surveys

**BOUNDARIES (PROPERTY)**
UF Ad medium filum aquae
Metes and bounds
Property boundaries
RT High water mark
Low water mark

**BOUNDARIES (SURFACES)**
NT Air-earth interfaces
Air-water interfaces
Earth-water interfaces
Fronts (atmospheric)
Ice-water interfaces
Interfaces
Liquid-gas interfaces
Liquid-vapor interfaces
Mud-water interfaces
Oil-water interfaces
Rigid boundaries
Saline water-freshwater interfaces
Sediment-water interfaces
RT Boundary processes
Sea level
Shear
Soil resistivity
Surfaces

**BOUNDARY CHANGE**
NT Annexation

**BOUNDARY CONDITIONS**
RT Calculus
Fluid flow
Fluid mechanics
Hydraulics

**BOUNDARY DISPUTES**
RT Legal aspects
Water law
Water rights

BOUNDARY LAYER
UF Boundary layer theory
NT Turbulent boundary layers
RT Rigid boundaries

BOUNDARY LAYER THEORY
USE BOUNDARY LAYER

BOUNDARY PROCESSES
NT Boundaries (surfaces)
Earth-water interfaces
Energy transfer
Evaporation
Hydraulics
Interfaces

BOUNDARY SHEAR
BT Shear
RT Turbulent boundary layers

BOUNDARY VALUES
RT Calculus
Differential equations
Envelopes

BOUND WATER
UF Unfree water
BT Water types

BOVINES
USE CATTLE

BOXES
USE CONTAINERS

BOXES (WEIR)
USE WEIR PONDS

BRACING
NT Wind bracing

BRACKISH WATER
BT Water
RT Ground water
Water pollution sources

BRANCHES
RT Flow distribution
Laterals

BREACHES (DAM)
USE DAM BREACHES

BREAKWATERS
BT Hydraulic structures

BREEDING
NT Animal breeding
Plant breeding

BREWERIES
USE BREWING INDUSTRY

BREWING INDUSTRY
UF Breweries
BT Agricultural industries

BRICK CONSTRUCTION
BT Building construction
RT Bricklaying
Tile construction

BRICK INDUSTRY
BT Building industry
RT Bricks

BRICK MASONRY
BT Masonry

BRIDGE CONSTRUCTION
BT Construction

BRIDGE DECKS
RT Bridges (structures)
Highways
Pavements
Roads

BRIDGE SITES
BT Sites

BRIDGE DESIGN
BT Design
Structural design

BRIDGE FAILURE
BT Failure

BRIDGE PIERS
BT Piers

BRIDGES (ELECTRIC)
USE ELECTRIC BRIDGES

BRIDGES (STRUCTURES)
BT Engineering structures
Structures
(Continued)

**BRIDGES** (STRUCTURES)
NT Arch bridges
Bascule bridges
Girder bridges
Highways bridges
Railroad bridges
Wooden bridges
RT Arches
Bays (structural
Bridge decks
Girders
Highway engineering
Large structures
Washouts
Wind bracing

BRINE DISPOSAL
BT Disposal

BRINE SHRIMP
UF Artemia
BT Animals
Aquatic animals
Aquatic life
Commercial shellfish
Crustaceans
Invertebrates
Shellfish
Shrimp

BRINES
BT Saline water
Water
Water types
RT Coolants
Drilling fluids
Evaporation reservoirs
Refrigerants
Salinity
Salt velocity method
Salt water barriers
Solutions

BRISTLECONE PINE TREES
UF Pinus aristata
BT Coniferous trees
Confers
Gymnosperms
Pine trees
Plants (botany)
Trees

BROADCAST BURNING
BT Forest burning
Slash disposal

BROADCASTING
NT Radio broadcasting

BROME
USE BROMEGRASS

BROMEGRASS
UF Brome
Bromus inermis
BT Agronomic crops
Crops
Field crops
Forage grasses
Forages
Grasses
Monocots
Plants (botany)
RT Hay

BROMINE
BT Chemical elements
Halogens
Nonmetals
RT Chlorine
Fluorine
Halides
Oxidizers

BROMUS INERMIS
USE BROMEGRASS

BRONZES
BT Alloys
Metals
Tin alloys
RT Bearings
Brass
Journal bearings
Metallurgy

BROOKS
USE STREAMS

BROWN FOREST SOILS
BT Intrazonal soils

BROWN SOILS
BT Pedocals
Earth materials
Soil groups

BROWSE UTILIZATION
RT Carrying capacity
Comparactive productivity
Food habits
Forest management
Livestock
Range management
Ranges
Shrubs
Wildlife

BRUSH
BT Crops
Horticultural crops
Plants (botany)
NT Chaparral
Rabbitbush
Sagebrush
RT Ground cover
Ranges
Shrubs
Windbreaks

BRUSH CONTROL
NT Aerial brush control
RT Brush
Controlled burning
Pertubation
Pest control
Weed control

BUDGET CONTROL
USE COST CONTROL

BUDGET EXECUTION
USE COST CONTROL

BUDGETING
NT Program budgeting
RT Accounting
Administration
Allocations
Federal budget
Forecasting

BUDGETS
NT Energy budget
Federal budgets
State finance
Water budget

BUILDING
UF Construction
NT Building construction
Building industry

BUILDING AND LOAN ASSOCIATIONS
USE SAVINGS AND LOAN ASSOCIATIONS

BUILDING ASSOCIATIONS
USE SAVINGS AND LOAN ASSOCIATIONS

BUILDING CODE ADMINISTRATION
BT Administration
Building codes

BUILDING CODES
BT Codes
Standards
NT Building code administration
Heating codes
RT Fireproof construction
Plumbing codes
Standards
Zoning legislation

BUILDING COMPONENTS
USE COORDINATED COMPONENTS

BUILDING CONSTRUCTION
UF Protective construction
BT Building
NT Brick construction
Earthquake resistant construction
RT Fireproof construction
Modular coordination
Owner-built houses
Owner-built houses (contractors)
Plumbing
Wood construction
Trends in house construction

BUILDING CONSTRUCTION - COSTS
USE BUILDING COSTS

BUILDING CONSTRUCTION, DEFECTIVE
USE INVESTIGATION OF HOUSE CONSTRUCTION

BUILDING CONSTRUCTION - EQUIPMENT
USE BUILDING EQUIPMENT

BUILDING CONSTRUCTION, FAULTY
USE INVESTIGATION OF HOUSE CONSTRUCTION

BUILDING CONSTRUCTION - INSPECTION
USE BUILDING INSPECTION

BUILDING CONSTRUCTION - METHODS
USE BUILDING METHODS

BUILDING CONSTRUCTION - STANDARDS
USE BUILDING STANDARDS

BUILDING COSTS
UF Building construction costs
Construction costs
RT Home ownership costs

BUILDING CYCLES
UF Anti-cyclical devices
Housing cycles
RT Banks
Building conditions
Urban history

BUILDING DESIGN
BT Design
Structural design

BUILDING EQUIPMENT
UF Building construction - Equipment
Building machinery
Concrete mixers

BUILDING INDUSTRY
UF Construction industry
House construction
Housing industry
BT Building
Urban development
NT Office building boom
Brick industry
RT Housing statistics
Trends in house construction

BUILDING INSPECTION
UF Building construction inspection
House inspection
Inspection of buildings
RT Building codes

BUILDING LICENSE
BT Government regulations
RT Real estate

BUILDING LOANS
USE CONSTRUCTION LOANS

BUILDING MACHINERY
USE BUILDING EQUIPMENT

BUILDING MAINTENANCE
UF Housing projects - maintenance

BUILDING MANAGEMENT
USE HOUSING MANAGEMENT

BUILDING MARKET
RT Urban development

BUILDING MATERIALS
BT Construction materials
Materials
NT Ceramic materials
Composite materials
Concretes
Drain tiles
Glass
Hardwood
Lumber
Reinforced concrete
Rubber
Softwood
Structural concrete
Structural steel
Timbers
Wood
RT Electric wire

BUILDING METHODS
UF Building construction - methods
Mobile cranes

BUILDING PERMITS
BT Building regulations
RT Planning
Housing statistics

BUILDING REGULATIONS
BT Municipal regulations
NT Building permits
RT Bulk regulations
Height regulations

BUILDING SITES
UF Site selection
RT Built up areas
Industrial land
Land use
Planning

BUILDING SOCIETIES
RT Savings and loan associations

BUILDING STANDARDS
UF Building construction - standards
Codes of practice (building)
BT Municipal regulations
NT Housing standards
RT Standardization

BUILDING TECHNOLOGY
RT Planning
Urban history

BUILDING TRADES
UF Housing industry
RT Apprenticeship
Building construction
Building industry
Wage incentives

BUILDING VALUES
NT Low building values

BUILDINGS
BT Engineering structures
Structures
NT City blocks
City centers
Depreciation and obsolescence (buildings)
Farm buildings
Garages
High rise buildings
Historical buildings
Industrial buildings
Mental institutions
Metropolitan parking structure
Public buildings
Pumping plants
Residences
Universities and colleges (buildings)
RT Arches
Bays (structural)
Desalination plants
Electric powerplants
Hospitals
Incinerators
Monuments
(Continued)

BUILDINGS (Continued)
RT Prefabrication
Schools (education)
Shelters
Space costs
Thermal powerplants
Tidal powerplants
Warehouses
Wind bracing
Wind pressure

BUILDINGS, PREFABRICATED
USE PREFABRICATED CONSTRUCTION

BUILT UP AREAS
BT Urban area classifcation
Urban areas
RT Building sites

BUILT UP LAND
UF Residences
BT Development
Land use
RT Residential areas
Urban development

BULK DENSITY
BT Density

BULKHEADS
RT Buttresses
Seawalls
Sheeting

BUNGALOWS
USE HOUSES

BURIED CABLES
BT Electric cables

BURIED IRRIGATION SYSTEMS
BT Distribution systems
Gravity irrigation
Irrigation systems

BURIED PIPES
BT Closed conduits
Conduits
Pipes
NT Culverts
RT Pipe laying
Underground structures

BURIED STRUCTURES
    BT Structures

BURNING
    NT Controlled burning
    RT Pertubation

BUS LINES
    RT Buses (vehicles)
        Routes
        Transportation

BUS TRANSPORTATION
    BT Mass transportation
        Public transportation

BUSES (VEHICLES)
    RT Bus lines

BUSHES
    USE SHRUBS

BUSINESS
    UF Commerce
    NT Business activities
        Business structure
        Census of business
        Corporations
        Establishment
        Market villages
        Outlying business centers
        Parasitic businesses
        Small business
        Urban economic communities
        Urban enterprises
        Urban monopolies
        Urban trade
    RT Business zoning
        Central business districts
        City central commercial cores
        City zoning regulations
        Consumer characteristics of urbanite
        Decentralization
        Dispersed businesses
        Federal lending
        Neighborhood business streets
        Planning
        Public relations
        Relocation
        Shopping centers
        Town employees
        Travel
        (Continued)

BUSINESS (Continued)
    RT Urban Capitalists
        Urban commercial position
        Urban consumer interests
        Urban economy
        Urban industrial changes
        Urban occupations
        Urban renewal
        Urban rural conflicts
        Urban zoning

BUSINESS ACTIVITIES
    BT Economic activities

BUSINESS BLOCKS
    BT Commerce

BUSINESS CENTERS
    BT Commerce
        Spatial analysis
    RT Economic analysis

BUSINESS CORPORATIONS
    USE CORPORATIONS

BUSINESS CYCLES
    UF Industrial parks
        Organized industrial districts
    BT Cities
        Types of cities
    RT Business indices
        Industrial suburbs
        Planning

BUSINESS DEVELOPMENT
    USE COMMERCIAL DEVELOPMENT

BUSINESS DISTRICTS
    BT Commercial activities
        Spatial patterns
        Urban areas
    NT Neighborhood business districts
        Outlying business districts
        Principal business thoroughfares
        Regional shopping centers
        Shopping centers
        Shopping district
        Strip business districts
        Wholesale district
    RT Urban fields

BUSINESS EDUCATION
    UF Commercial education
    BT Vocational education
    NT Office occupation education

BUSINESS FORECASTING
USE ECONOMIC FORECASTING

BUSINESS PARTICIPATION
USE URBAN RENEWAL - BUSINESS PARTICIPATION

BUSINESS ZONING
BT Zoning
NT Racial segregation
RT Business
Education
Employment
Urban areas

BUTTRESS DAMS
BT Concrete dams
Concrete structures
Dams
Engineering structures

BUTTRESSES
RT Bulkheads
Piers
Retaining walls
Structural design
Structural members
Structural stability
Supports

BUYING COOPERATIVES
USE CONSUMER COOPERATIVES

BY PASS EXPRESSWAYS
BT Highways

BYPASS PROBLEMS
BT Transportation

BYPASSES
RT Channels
Conduits
Conveyance structures
Dams
Ditches
Flumes
Routing
Spillways

CABLE TOOL RIGS
RT Sand lines

CABLES (EXCLUDES ELECTRIC CABLES)
UF Cableway
NT Stressing cables
RT Galleries
Guyed towers
Prestressing
Stream gaging station
Suspension bridges
Towing
Wire
Wire rope

CABLES (ELECTRIC)
USE ELECTRIC CABLES

CABLEWAY
USE CABLES

CACTI
BT Crops
Desert plants
Dicots
Horticultural crops
Plants (botany)

CADASTRAL SURVEYING
USE LAND SURVEYING

CADASTRAL SURVEYS
BT Plane surveying
Surveys
NT Property taxes

CADMIUM
BT Metals
Transition metals
RT Cadmium isotopes

CADMIUM ALLOYS
BT Alloys
Metals
RT Cadmium

CAESIUM
USE CESUIM

CAISSONS
BT Engineering structures

CALCAREOUS ROCKS
BT Rocks
RT Sedimentary rocks

CALCAREOUS SOILS
BT Alkaline soils
Earth materials
Materials
Soils
Soil types
NT Sierozems
RT Lime soil mixtures

CALCIUM CHLORIDE
BT Halides

CALDERAS
RT Calderas
Volcanoes

CALICHE
BT Earth materials

CALCULUS
RT Boundary conditions
Boundary values

CAMP SITES
BT Recreation facilities

CAMPING
BT Outdoor recreation
Recreation

CANAL CONSTRUCTION
BT Construction

CANAL DESIGN
BT Design

CANAL EMBANKMENTS
BT Earthworks
Embankments

CANAL LININGS
BT Linings

CANAL LOCKS
BT Locks (waterways)

CANAL SEALANTS
BT Sealants

CANAL SEEPAGE
BT Seepage

CANALS
BT Channels
Conduits
Conveyance structures
Hydraulic structures
Open channels
Structures
Waterways
NT Concrete-lined canals
Earth-lined canals
Irrigation canals
Laterals
Lined canals
Test canals
Unlined canals
RT Capacity reduction
Earthwork
Headwalls
Headworks
Hydraulic engineering
Large structures
Lock gates
Rapid excavation
Regime
Routing
Saline water intrusion
Seepage
Surface drainage
Water control
Water conveyance
Water plans
Water surface

CANCELLATION
RT Elimination

CANNERIES
BT Engineering structures
Industrial plants
RT Water pollution sources

CANNING
RT Food processing

CANNING INDUSTRY
BT Agricultural industries

CANOEING
USE BOATING

CANOPY
UF Overstory
RT Folier
Forests
Interception
Leaves
Microenvironment
Roofs
Stemflow
Throughfall
Vegetation establishment

CANS
USE CONTAINERS

CANYONS
UF Gorges
BT Land forms
RT Ravines
Slopes

CAP CLOUDS
BT Clouds

CAPACITY REDUCTION
RT Aquatic weeds
Canals
Fluid flow
Pipeline

CAPILLARITY
UF Capillary
RT Percolation

CAPILLARY
USE CAPILLARITY

CAPILLARY ACTION
UF Capillary flow
BT Flow
Movement
Unsaturated flow
RT Retention
Field capacity

CAPILLARY CONDUCTIVITY
BT Conductivity
Hydrologic properties
Physical properties
RT Wilting point

CAPILLARY FLOW
USE CAPILLARY ACTION

CAPILLARY FRINGE
BT Zone of aeration

CAPILLARY PRESSURE
BT Pressure

CAPILLARY TUBES
BT Closed conduits
Conduits
Rigid tubing
Tubes

CAPILLARY WATER
BT Moisture
Soil moisture
Soil water
Subsurface waters
Vadose waters
Water
Water types
NT Fringe water
RT Field capacity

CAPITAL
RT Financing
Financial management
Economic factors

CAPITAL BUDGETING
NT Budget financing
Capital improvement programs
Deficit financing
Fiscal planning
RT Tax revenues

CAPITAL CITY
BT Urban type

CAPITAL FORMATION
BT Economic growth

CAPITAL IMPROVEMENT PROGRAMS
BT Capital budgeting

CAPITAL OUTLAYS
BT Economic growth

CAPITAL PROGRAMMING
NT Conventional capital programming
Public improvements program
RT Public improvements

CAPTURE-MARK-AND-RECAPTURE TECHNIQUE
USE MARKETING TECHNIQUES

CARAVAN CITIES
BT Types of cities

CARBON
BT Chemical elements
Nonmetals

CARBON ALLOYS
BT Alloys
Iron alloys
Metals
RT Carbon
Carbon steels
High strength steels
Steel
Structural steel

CARBON ASSIMILATION
USE PHOTOSYNTHESIS

CARBON COMPOUNDS
BT Chemical compounds
NT Carbon dioxide
Carbon monoxide

CARBON CYCLE
BT Cycles

CARBON DIOXIDE
BT Carbon compounds
Chemical compounds
Gases
Inorganic compounds
Oxides

CARBON FIXATION
USE PHOTOSYNTHESIS

CARBON MONOXIDE
BT Carbon compounds
Chemical compounds
Gases
Inorganic compounds
Oxides

CARBON STEELS
BT Alloys
Iron alloys
Metals
Steel

(Continued)

CARBON STEELS (Continued)
RT Carbon alloys
High strength steels
Prestressed steel
Structural steel

CARBONACEOUS ROCKS
BT Nonclastic rocks
Rocks
Sedimentary rocks
NT Bituminous coal
RT Coal

CARBONATE MINERAL DEPOSITS
USE NONMETALLIFEROUS MINERAL DEPOSITS

CARBONATE ROCKS
RT Karst
Sedimentary rocks
Sinkholes

CARGO
USE FREIGHT

CARGO AIRCRAFT
BT Aircraft
Cargo vehicles
Transport aircraft
RT Air cargo
Air drop operations
Passenger aircraft

CARGO VEHICLES
NT Automated ships
Bomb handling vehicles
Bomb trucks
Box cars
Cargo aircraft
Cargo ships
Dollies
Electric trucks
Flat cars
Fork trucks
Freight cars
Gondola cars
Hopper cars
Industrial trucks
Lift trucks
Mine cars
Motor trucks
Refrigerator cars
Refrigerator trucks
Tank cars
Tank trucks

CARNIVORA
BT Eutheria
Mammals
Unguiculata
Vertebrates
NT Cats
Dogs (mammals)
Lions
Seals (Mammals)

CARNIVOROUS PLANTS
UF Insectivorous plants
BT Plants

CARP
BT Aquatic animals
Fishes
Fresh water fishes
Vertebrates

CARPORTS
USE GARAGES

CARRIER DENSITY
BT Electrical properties
RT Electron density (concentration)
Hole mobility

CARRIER MOBILITY
BT Electrical properties
Transport properties
NT Electron mobility
Hole mobility
RT Charge carriers
Electrical resistivity
Excitons
Hall effect
Mobility
Semiconductors (materials)

CARRIER WAVES
UF Subcarrier waves
BT Electromagnetic radiation
RT Modulation

CARRYING CAPACITY
BT Range management
RT Animal control
Browse utilization
Brush control
Forage production
Grazing
Livestock
(Continued)

CARRYING CAPACITY (Continued)
RT Pastures
Ranges
Wildlife management

CARS (AUTOMOBILES)
USE AUTOMOBILES

CARS (NOT AUTOMOBILES)
USE VEHICLES

CARTOGRAPHY
USE MAPPING
MAPS

CASEINS
RT Milk

CASINGS
RT Linings
Well regulations

CAST IRON
UF Alloy cast iron
BT Alloys
Castings
Chemical elements
Iron
Iron alloys
Materials
Metals
RT Cast steel
Steel
Steel industries

CAST STEEL
BT Iron alloys
Metals
Steel
RT Castings
Cast iron
Iron

CASTINGS
BT Materials
Metals
NT Cast iron
Well casings

CATALOGING
RT Planning documentation

CATALYTIC CONVERTERS
RT After burners
Exhaust systems

CATALYSTS
UF Raney nickel

CATCH BASINS
RT Storm sewers

CATCHMENTS
RT Impounded waters
Reservoirs

CATEGORIES
USE CLASSIFICATIONS

CATFISHES
BT Aquatic animals
Fishes
Vertebrates
RT Fresh water fishes
Marine fishes

CATION EXCHANGE
BT Ion exchange

CATS
BT Carnivora
Eutheria
Mammals
Unguiculata
Vertebrates
RT Domestic animals

CATTLE
UF Bovines
BT Artiodactyla
Domestic animals
Eutheria
Livestock
Mammals
Ruminants
Ungulata
Vertebrates
NT Beef cattle
Dairy cattle
RT Feed lots
Hides
BT Animals
Domestic animals
Livestock
Mammals
Ruminants

CATTLE FARMS
BT Farm types

CAVE FLORA
BT Flora

CAVERNS
USE CAVES

CAVES
UF Caverns
BT Land forms
RT Cavefishes
Cavities
Karst
Land subsidence
Pores
Sinkholes
Sinks
Soluble rocks
Underground openings
Water loss

CEILING PRICE
BT Government regulations

CEILINGS (METEOROLOGY)
RT Cloud cover
Cloud physics
Clouds
Fog
Haze
Meteorology
Smog
Smoke
Visibility
Weather

CELESTIAL BODIES
UF Astronomical bodies
NT Earth (planet)
Moon
Natural satellites

CELLARS
USE BASEMENTS

CELLS (BIOLOGY)
NT Plant cells

CELLULAR CITIES
BT City forms

CEMENTS
NT Asphalt cement
Bituminous cements
Soil cement
(Continued)

CEMENTS (Continued)
RT Grouting
Linings

CEMETERIES
BT Land use
Public services

CENOZOIC ERA
BT Geologic time
NT Holocene epoch
Miocene epoch
Pleistocene epoch
Quaternary period
Tertiary period

CENSUS
BT Population count
NT Creel census
Standard metropolitan
Statistical area
RT Sampling
Standing crops
Surveys (data collection)
Vital statistics

CENSUS AREAS
NT Block data maps
Standard consolidated areas
Standard metropolitan areas
Standard metropolitan statistical area
Tracts

CENSUS UNITS
NT Block units

CENTRAL AREA
BT Spatial patterns
Urban areas

CENTRAL BUSINESS DISTRICT
USE CENTRAL CITY

CENTRAL BUSINESS DISTRICTS
BT Spatial analysis
Spatial patterns
Urban areas
Urban form
NT Central business intensity index
(Continued)

CENTRAL BUSINESS DISTRICTS
NT Core frame concept
Downtown
Midtown plaza
Negro central business districts
RT Business

CENTRAL CITIES
BT Central place theory
Types of cities
RT Central city urban lifes advantages
City sub centers
Metropolitan areas

CENTRAL CITY
UF Central business district
Downtown

CENTRAL CORE
BT Urban areas

CENTRAL GROWTH
BT Growth patterns
Spatial analysis

CENTRAL MUNICIPALITIES
RT Cities

CENTRAL PLACE CITIES
BT Central place theory

CENTRAL PLACE THEORY
BT Urban theories
NT Agglomeration tendency
Central cities
Central place cities
Central place hierarchy
Central place scheme
Central places
Central services
Centrality
Hexagonal pattern
Hexagonal grid
Hierarchy of central functions
Hinter land
Index of centrality
Low order function
Orders of central places
Rank size hypothesis
Spacing of cities
(Continued)

CENTRAL PLACE THEORY (Continued)
NT Sphere of influence
Subcenter
Threshold population
Urbanization

CENTRAL PLACES
BT Central place theory
Spatial analysis
RT Systems of cities

CENTRAL PLANNING
RT Economic planning

CENTRAL SERVICES
BT Central place theory

CENTRARCHUS SPECIES
USE SUNFISHES

CENTRIFUGAL CLASSIFIERS
RT Sand tanks

CENTRIFUGAL FILTRATION
RT Sand filtration

CERAMIC MATERIALS
BT Building materials
Construction materials
Materials
NT Drain tiles

CEREAL CROPS
BT Agronomic crops
Crops
Field crops
Grasses
Monocots
Plants (botany)
NT Barley
Corn (field)
Oats
Rice
Wheat
RT Grains (crops)
Plant groupings
Soil management
Sorghum
Wild rice

CERIUM COMPOUNDS
BT Rare earth compounds

CESSPOOLS
RT Disposal
Domestic wastes
Leaching
Septic tanks
Sewage disposal
Sewage treatment plants
Sewage works
Sumps
Waste disposal
Waste water disposal

CESIUM
UF Caesium
BT Alkali metals
Metals
RT Cesium isotopes

CHAMAECYPARIS SPECIES
USE WHITE-CEDAR TREES

CHAMAEPHYTES
BT Life forms (plants)

CHANCE CAUSES
RT Assignable causes
Control charts
Management engineering
Statistical quality control

CHANGING BOUNDARY
BT Boundaries

CHANNEL BEAMS
USE STRUCTURAL SHAPES

CHANNEL BEDS
BT Beds
RT Banks

CHANNEL DESIGN
BT Design

CHANNEL EROSION
BT Erosion
NT Gully erosion
RT Banks
Channel protection

CHANNEL FLOW
BT Flow
Movement
NT Natural flow
(Continued)

CHANNEL FLOW (Continued)
NT Open channel flow
Regulated flow
River flow
Streamflow
RT Flow patterns
Large watersheds

CHANNEL IMPROVEMENTS
UF Rectification (channel)
RT Channel protection
Desilting method

CHANNEL MORPHOLOGY
RT Banks
Distribution
Regime

CHANNEL PROTECTION
RT Bank protection
Channel erosion
Channel improvements
Flood control
Flood protection
Grains (structures)
Jacks (structural shape)
Revetments
Riprap
Stream erosion
Tailrace

CHANNEL ROUGHNESS
USE ROUGHNESS (HYDRAULIC)

CHANNELING
RT Channels
Drainage engineering
Furrow systems
Irrigation engineering

CHANNELS
BT Waterways
NT Alluvial channels
Canals
Concrete-lined canals
Earth-lined canals
Floodways
Flumes
Grasses waterways
Inland waterways
Intake channels
Irrigation canals
Laterals
Lined canals
(Continued)

**CHANNELS** (Continued)
NT Navigable rivers
Open channels
Stream channels
Sublaterals
Unlined canals
Venturi flumes
RT Banks
Channeling
Bypasses
Flood routing
Gully erosion
Inland waterways
Lagoons (land forms)
Linings
Meanders
Regime
River beds
Routing
Sewers
Straits
Streamflow
Surface drainage
Washouts
Water conveyance

CHANNELS (RIVER)
USE STREAM CHANNELS

CHANNELS (STREAM)
USE STREAM CHANNELS

CHAOBORUS
USE DIPTERA

CHAPARRAL
BT Brush
Crops
Dicots
Horticultural crops
Phreatophytes
Plants (botany)

CHARACTERISTIC HYDROGRAPHS
USE HYDROGRAPHS

CHARTS
NT Flow charts
Graphs (charts)
Control charts
Influence charts
RT Plans
Experimental data
Organization charts
(Continued)

CHARTS (Continued)
RT Scale (ratio)
Tables (data)
Weather data

CHARTS (ORGANIZATION)
USE ORGANIZATION CHARTS

CHATTEL MORTGAGES
USE MORTGAGE FINANCE

CHECK DAMS
BT Check structures
Dams
Engineering structures
Hydraulic structures
Structures
RT Barriers
Control structures
Detention reservoirs
Dikes
Diversion dams
Erosion control
Flood control
Levees
Retention dams

CHECK STRUCTURES
BT Engineering structures
Hydraulic structures
Structures
NT Check dams
RT Barriers
Concrete structures
Control structures
Dams
Dikes
Erosion control
Flashboards
Gates
Hydraulic gates
Levees
Locks (waterways)
Retaining walls
Spillway piers
Streamflow regulation

CHEMCONTROL
UF Chemical control
BT Control
RT Agricultural chemicals
Application methods
Chemicals
Defoliants
(Continued)

CHEMCONTROL (continued)
RT Desiccants
Evaporation control
Fallowing
Inhibitors
Insect control
Integrated control measures
Pest control
Physical control
Rates of application
Retardants
Sterilants
Transpiration control
Water pollution sources

CHEMICAL ANALYSIS
BT Analysis
NT Chromatography
Gravimetric analysis
Qualitative analysis
Quantitative analysis
RT Assaying
Soil analysis
Water chemistry

CHEMICAL COMPOUNDS
NT Carbon compounds
Carbon dioxide
Carbon monoxide
Chlorides
Chlorinate hydrocarbon pesticides
Ferrites
Fluorides
Fluorine compounds
Halides
Hydrocarbons
Hydrogen sulfide
Inorganic compounds
Iron compounds
Nitrates
Nitrogen compounds
Organic compounds
Organophosphorus compounds
Organophosphorus pesticides
Oxides
Phenois
Phosphates
Phosphorus compounds
Salts
Silicates
Sulfates
Sulfides
Sulfite liquors
(Continued)

CHEMICAL COMPOUNDS (Continued)
NT Sulfur compounds
Sulfuric acid
Urine

CHEMICAL CONTROL
USE CHEMCONTROL

CHEMICAL CONTROLS
NT Fenuron
Herbicides
Insect control
Insecticides
Pesticides
Picloram
2, 4, 5-T
Weed control
RT Application methods
Biological controls
Environmental effects
Mechanical controls
Perturbation
Plant growth regulators
Poisons
Populations

CHEMICAL DEGRADATION
RT Sewage
Sludge digestion
Sludge treatment
Stabilization

CHEMICAL ELEMENTS
UF Elements (chemical)
NT Alkaline earth metals
Alloys
Aluminum
Barium
Bromine
Cadmium
Carbon
Cast iron
Chlorine
Chromium alloys
Copper
Ferrites
Gold
Halogens
Heavy metals
High strength steels
Iron
Lead (element)
Lithium
Lithium alloys
Magnesium
(Continued)

**CHEMICAL ELEMENTS (Continued)**
NT Mercury (metal)
Metals
Molybdenum
Nickel
Niobium
Nitrogen
Nonmetals
Oxygen
Phosphorus
Phosphorus radioisotopes
Platinum
Plutonium
Plutonium radioisotopes
Potassium
Radium
Radium radioisotopes
Selenium
Silicon
Silver
Sodium
Sodium radioisotopes
Tin
Titanium
Tungsten
Vanadium

**CHEMICAL ENGINEERINGS**
RT Agricultural chemistry

**CHEMICAL INDUSTRY**
BT Industries
NT Drug industry
RT Munitions industry

**CHEMICAL PROPERTIES**
BT Properties
NT Chlorination
Corrosion resistance
Decomposition
Diffusion
Durability
Freeze-thaw durability
Oxidation
Photosynthesis
Reverse osmosis
Salinity
Soil chemical properties
Solubility
Water quality
RT Limnology
Stability
Soil chemistry
Water properties

**CHEMICAL REACTIONS**
UF Reactions (chemical)
NT Chlorination
Decomposition
Denitrification
Desulfurization
Nitrification
Oxidation
Photosynthesis
RT Separation techniques

**CHEMICAL SEALANTS**
BT Sealants

**CHEMICAL TESTS**
NT Radio activation analysis
Water analysis
RT Assaying

**CHEMICAL WARFARE**
UF Warfare (chemical)
RT Chemicals
Civil defense
Desiccants
Military aspects
Poisons
Water pollution sources

**CHEMICAL WASTES**
BT Wastes

**CHEMICALS**
NT Acids
Additives
Agricultural chemicals
Bactericides
Chlorinated hydrocarbon pesticides
Concrete additives
DDT
Detergents
Dispersants
Dyes
Endrin
Fungicides
Herbicides
Insecticides
Mine acids
Organic pesticides
Organophosphorus pesticides
Ovicides
Pesticides
Poisons
Rodenticides
(Continued)

CHEMICALS (Continued)
NT Salts
Soil dispersants
Soil sterilants
Sulfuric acid
Toxins
Water-reducing agents
Wood preservatives (pesticides)
RT Fertilizers
Grouting

CHEMISTRY
BT Physical sciences
Sciences
NT Chemurgy
Geochemistry
Soil chemistry
Water chemistry

CHEMOELECTRIC POWER GENERATION
USE ELECTROCHEMICAL POWER GENERATION

CHEMOSTERILANTS
USE STERILANTS

CHEMURGY
UF Utilization research
BT Chemistry
RT Agricultural chemistry
Agricultural products
Agricultural research
Chemical engineering
Raw materials

CHERNOZEMS
BT Soil groups

CHESTNUT SOILS
BT Earth materials
Soil groups
RT Pedocals

CHICKENS
BT Birds
Domestic animals
Livestock
Poultry
Vertebrates

CHIMNEY DRAINS
BT Drains

CHIMNEYS
UF Flumes

CHINATOWNS
BT Community types
Ethnic areas
Neighborhoods
People
RT Ethnic groups
Race relations

CHIRONOMIDS
USE DIPTERA

CHISELLING
BT Land management

CHLORIDES
BT Chemical compounds
Halides
Inorganic compounds
NT Sodium chloride
RT Saline soils
Salts

CHLORINATED HYDROCARBON PESTICIDES
BT Chemical compounds
Chemicals
Halogenated pesticides
Organic compounds
Organic pesticides
Pesticides
NT DDD
DDE
DDT
Endrin

CHLORINATED HYDROCARBONS
USE CHLOROHYDROCARBONS

CHLORINATION
UF Chlorinators
BT Chemical properties
Chemical reactions

CHLORINATORS
USE CHLORINATION

CHLORINE
BT Chemical elements
Halogens
Nonmetals

CHLORINE ORGANIC COMPOUNDS
UF Chloro compounds
NT Aldrin
Chlorohydrocarbons
Dieldrin

CHLORO COMPOUNDS
USE CHLORINE ORGANIC COMPOUNDS

CHLOROHYDROCARBONS
UF Chlorinated hydrocarbons
BT Chlorine organic compounds
Halohydrocarbons
NT Aldrin
Dieldrin

C HORIZON
BT Soil horizons
RT Agronomy
A horizon
B horizon
Land classification
Soil profiles

CHRISTALLER THEORY
RT Systems of cities

CHROMATOGRAPHY
BT Analytical techniques
Chemical analysis
NT Gas chromatography
RT Adsorption
Sorption
Instrumentation
Volumetric analysis

CHROMIUM
BT Metals
Transition metals
RT Chromites
Chromium isotopes
Refractory metals

CHROMIUM ALLOYS
BT Chemical elements
Metals
RT Chromium
Heat resistant alloys
Stainless steel
Steel

CHRONOLOGY
USE HISTORY

CHURCH AND SOCIAL PROBLEMS
UF Housing and the churches
BT Housing
Social conditions
Social service

CHURCH LANDS
BT Institutional lands

CHURCHES
BT Institutions

CIGAR INDUSTRY
BT Agricultural industries
RT Tobacco

CIGARETTE INDUSTRY
BT Agricultural industries
RT Tobacco

CILIATES
USE PROTOZOA

CIRCUIT BREAKERS
RT Electric relays
Electric restrikes

CIRCUITS
RT Electric grounding
Electric power distribution
Electric shunts
Electric wiring
Network analysis
Network design

CIRCULATION
UF Recirculation
Recycling
Well circulation
BT Movement
NT Atmospheric circulation
Circulation (animals)
Circulation (plants)
Convection
General circulation
Pedestrian traffic
Traffic flow
Traffic patterns
Urban transportation characteristics
Water circulation
RT Mixing
Rotation
Routing
Water recirculation

CIRCULATION (ANIMALS)
BT Circulation
Movement

CIRCULATION PLAN
UF Transportation plan
BT Transportation

CIRCULATION (PLANTS)
BT Circulation
Movement

CIRCUMFERENTIAL HIGHWAY SYSTEM
BT Transportation
NT Beltway

CIRCUMFERENTIAL HIGHWAYS
USE BELT HIGHWAYS

CIRQUES
BT Land forms
RT Basins
Closed basins
Geomorphology
Glacial geology
Glaciation
Glaciers
Mountains
Rock glaciers

CIRRUS CLOUDS
UF Clouds (cirrus)
BT Clouds
RT Weather

CISTERNS
BT Containers
Water tanks
RT Concrete tanks
Engineering structures
Rain water
Tanks (containers)
Underground
Water harvesting
Water storage

CITIES
UF Urban areas
Metropolitan studies
NT Border cities
Business cycles
City cores
Classes of towns
Classes of cities
Garden cities
(Continued)

CITIES (Continued)
NT Hinterland communities
River confluence
Single company towns
Small cities
Specialized cities
incorporated cities
Mature manufacturing cities
Mercantile cities
Terminal cities
Transport cities
Youthful manufacturing cities
RT Central municipalities
Classification of cities
City boundaries
City structure
Local governments

CITIZEN PARTICIPATION
UF Urban renewal-citizen participation
BT Cultural behavior

CITIZENS PLANNING COMMITTEE
RT Planning

CITRUS FRUITS
BT Crops
Dicots
Fruit crops
Horticultural crops
Plants (botany)
Stone fruits
NT Grapefruit
Lemons
Limes
Oranges
RT Plant groupings

CITRUS TREES
BT Farm crops
Fruit crops
Plants (botany)
Trees (plants)

CITY ADMINISTRATION
NT Urban government administrators
RT City clerks
City officials

CITY BLOCKS
BT Buildings
Spatial analysis
Urban area classification
Urban areas

CITY BOUNDARIES
RT Cities

CITY BUILDERS
RT Urban developers

CITY BUILDING
NT Urban appearances
Urban hostpital building
Urban quantitative growth
Urban renewal
RT Urban planning

CITY BUILDING OBJECTIVES
RT Urban aims

CITY CIRCULATION
BT Traffic

CITY CLERKS
RT City administration

CITY CORE PLANNING
BT Planning

CITY CORES
BT Cities

CITY COUNTY RELATIONS
BT Extra urban

CITY DEVELOPMENT
BT City growth
NT Related government development
RT City planning

CITY DUMP
BT Public services
Urban sanitation
RT Pollution

CITY FORMS
NT Anthracite metropolises
Attached cottage estates
Cellular cities
City laboring communities
City plans of geometric regularity
Coal towns
Colonial cities
RT City function
City planning
Civic design

CITY GOVERNMENT
USE MUNICIPAL GOVERNMENT

CITY GROWTH
UF City size
Urban sprawl
NT City development
City expansion
RT Subdivision

CITY HOUSING
NT In town residential developments

CITY LABORING COMMUNITIES
BT City forms

CITY INCOME TAXES
BT Municipal revenues

CITY MANAGER GOVERNMENT
BT Municipal government

CITY OFFICIALS
RT City administration

CITY ORDINANCES
BT Municipal regulations
NT City zoning ordinances
RT Cities

CITY PATTERN OF SETTLEMENT
BT Spatial patterns
RT City planning
Population

CITY PATTERNS OF LAND USE
BT Land use
Spatial patterns

CITY PERIPHERY
RT Urban fringes
Urban frontiers

CITY PLANNING
USE URBAN PLANNING

CITY PLANNERS
NT Urban renewal specialists

CITY PLANNING
UF Urban planning
BT Planning
Urban planning
State planning
NT City planning and climate
Classic city planning
Cultural implications of city plans
Economic base studies
Experimental communities
Neighborhood planning
Simulated metropolitan models
Tactical city planning
Urban renewal
Urban renewal administrators
Urban renewal strategy
Urban renewal specialists
RT Model community builders
Neighborhood planning
Park girdle
Parking areas
Planned garden suburbs
Planners
Regional planning agencies
Satellite cities
Shopping centers
Subdivision
Urban renewal specialists
Urban sociology
Villages

CITY PLANNING ADMINISTRATION
BT Administration
RT City planning
Municipal government

CITY PLANNING AND CLIMATE
BT Climate
Climatology

CITY PLANNING ENABLING LEGISLATION
BT Urban legislation

CITY PLANNING LEGISLATION
UF City planning legislation
BT Legislation

CITY PLANNING - UNIVERSITY SERVICES TO NEIGHBORING COMMUNITIES
USE UNIVERSITIES AND COLLEGES RESEARCH SERVICES

CITY PLANS OF GEOMETRIC REGULARITY
BT City forms

CITY RECREATION
NT City recreational centers
RT Metro recreational planners

CITY RECREATIONAL CENTERS
BT City recreation

CITY SIZE
UF City growth
BT Urban hierarchy
Urban regions
NT Rank size rules

CITY STRUCTURE
RT Cities

CITY SUB CENTERS
RT Central cities

CITY TO SUBURB MIGRATION
RT Population changes

CITY ZONES
NT Multiple nuclei
Sector theory
Zonal theory

CITY ZONING
NT City zoning ordinances
Large lot zoning

CITY ZONING ORDINANCES
BT City ordinances
City zoning
RT Cities

CITY ZONING REGULATIONS
RT Business
Governments

CIVIC CENTERS
BT Buildings
Urban amenities
Urban morphology

CIVIL DEFENSE
UF Air raid shelters
Bomb shelters
Protective construction
Shelters
BT National defense
Passive defense

CIVILIAN DEFENSE
UF Air raid shelters
Bomb shelters
Shelters
RT Atomic bomb
Disaster service
National defense
Protective construction

CIVIL ENGINEERING
UF Civil engineers
Engineers (civil)
BT Engineering
NT Drainage engineering
Highway engineering
Hydraulic engineering
Sanitary engineering
Soil engineering
Structural engineering
RT Engineering geology
Feasibility studies
Land management
Municipal engineering
Second order surveys
Soil conservation
Water supply systems

CIVIL ENGINEERS
USE CIVIL ENGINEERING

CIVIL LAW
NT Torts
RT Prior appropriation
Riparian rights
Water law

CIVIL SERVICE
RT Government
Local governments

CLIMATE ANALOGS
BT Analogs
RT Analog models
Analog simulation
Terrain analogs

CLADOCERA
USE CRUSTACEANS

CLIMATIC CHANGE
RT Gully erosion
Relict land forms
Relict vegetation

CLIMATIC DATA
RT Climatology
Data collections
Documentation
Hydrologic data
Meteorological data
Regional analysis
Surveys
Weather data

CLIMATIC GEOMORPHOLOGY
BT Geomorphology
RT Evolution
Geologic time
Ground cover

CLIMATIC - VEGETAL RELATIONSHIPS
RT Climax
Evapotranspiration
Evolution
Geographical origin
Phytogeography
Regeneration (vegetation)
Vegetal relationships

CLASSES OF CITY
BT Cities

CLARITY
RT Purity

CLASSIC CITY PLANNING
BT City planning

CLASSIFICATION OF CITIES
RT Cities

CLASSIFIED TAXES
BT Real property taxes

CLIASSIFCATIONS
UF Categories
NT Field classifications
Land classifications
Soil classifications
Visual classifications
RT Libraries

CLASSIFICATION OF SUBURBS
BT Types of suburbs

CLASSIFIERS
UF Refiners (classifiers)
BT Separators
NT Mechanical classifiers
Sand tanks
Wet classifiers

CLASSIFICATIONS
UF Categories
NT Land classification
Soil classifications

CLASTIC ROCKS
BT Rocks
Sedimentary rocks
NT Shales

CLATHRATES
BT Crystals

CLAY LOAM
BT Loams

CLAY MASONRY
BT Masonry

CLAY MINERALS
UF Claystones
BT Monmetalliferous minerals
Silicate minerals
NT Attapulgite
Beidellites
Bentonite
Fireclays
Fullers earth
Glauconite
Halloysite
Illite
Kaolin
Kaolinite
Montmorillonite
RT Expansive clays

CLAY SOILS
BT Cohesive soils
Soils
NT Boulder clay
RT Clays
Fullers earth
Hardpan
Impervious soils
Lacustrine soils

CLAYS
UF Clays (plastic)
Clays (sensitive)
Clays (Varved)
Fat clays
Fissured clays
Lean clays
Plastic clays
Sensitive clays
Varved clays
BT Earth materials
Finegrained soils
Fines
Fine-textured soils
Materials
Soil
Soil types
NT Expansive clays
Kaolin
Organic clays
Quick clays
Soil types
RT Expansive soils
Grouting
Lake soils
Loams
Till
Waterlogged land
Silty loams
Soil components
Soil texture

CLAYS (GLACIAL)
USE GLACIAL DEPOSITS

CLAYS (LACUSTRINE)
USE LACUSTRINE DEPOSITS

CLAYS (PLASTIC)
USE CLAYS

CLAYS (SENSITIVE)
USE CLAYS

CLAYS (VARVED)
USE CLAYS

CLAYSTONES
USE CLAY MINERALS

CLEAN CITIES
RT Hygienic cities

CLEANLINESS
USE HYGIENE

CLEAR-CUTTING
BT Cutting management
Water resources management
RT Lumbering

CLEARANCE
BT Urban renewal

CLEARANCES
RT Spacing
Tolerances (mechanics)

CLEARING
NT Land clearing
Reservoir clearing
RT Lumbering
Removal

CLIFFS
RT Mesas (land forms)

CLIMATE
NT Architecture and climate
Arid climates
City planning and climate
Cold climates
Humid climates
Semi-arid climates
Subhumid climates
Wet climates
RT Environment
Geographical regions
Synoptic climatology

CLIMATE AND ARCHITECTURE
USE ARCHITECTURE AND CLIMATE

CLIMATE CONTROL
USE ARCHITECTURE AND CLIIMATE

CLIMATIC CHANGES
BT Climatology
RT Weather

CLIMATIC CLIMAX
BT Climax
Ecosystems
Succession

CLIMATIC DATA
RT Meteorological data
Weather

CLIMATIC-VEGETAL RELATIONSHIPS
RT Vegetal relationships

CLIMATIC ZONES
BT Regions
RT Dry seasons
Life zones
Geographical regions

CLIMATOLOGY
NT Architecture and climate
City planning and climate
Climatic changes
Microclimatology
Synoptic climatology
RT Climatic data
Dew point
Evaporation
Evapotranspiration
Growing period
Humidity
Temperature
Topography
Seasons
Synoptic analysis
Weather data

CLIMAX
BT Ecosystems
Succession
NT Climatic climax
RT Lake stages
Vegetal relationshps

CLOSED BASINS
BT Basins

CLOSED CONDUIT FLOW
BT Flow
Movement

CLOSED CONDUIT SPILLWAYS
BT Hydraulic structures
Spillways

CLOSED CONDUITS
BT Conduits
Conveyance structures
NT Aqueducts
Buried pipes
Capillary tubes
Drain tiles
Pipes
Rigid tubing
Tubes
RT Sewers

CLOSTRIDIUM
BT Bacteria
Microorganisms
Nitrogen fixing bacteria
Soil microorganisms
RT Nitrogen fixation
Soil bacteria

CLOSURES
RT Seals (stoppers)

CLOUDBURSTS
UF Intense rainfall
BT Rainfall
Storms
RT Washouts

CLOUD COVER
RT Clouds
Energy budget
Environment effects
Radiation

CLOUD MODELS
RT Meteorology

CLOUD MODIFICATION
BT Weather modification

CLOUD PHYSICS
BT Atmospheric physics
Meteorology
Physics

CLOUD SEEDING
UF Rain stimulation
BT Weather modification
RT Rain

CLOUDS
NT Cap clouds
Cirrus clouds
Convection clouds
Cumuloniumbus clouds
Cumulus clouds
Fog
Smog
Stratus clouds
RT Weather
Ceilings (meteorology)
Cloud cover
Hurricanes
Thunderstorms
Water sources

CLOUDS (CIRRUS)
USE CIRRUS CLOUDS

CLOUDS (CUMULUS)
USE CUMULUS CLOUDS

CLOUDS (STRATUS)
USE STRATUS CLOUDS

CLOVER LEAF INTERCHANGES
BT Highway interchanges

CLOVER LEAF INTERSECTIONS
BT Highways

CLOVERS
RT Turf

CLUBS
USE SOCIETIES

CLUSTER CITY
BT Spatial patterns
Types of cities

CLUSTER DEVELOPMENT
BT Urban development

CLUSTER PATTERN
BT Urban patterns

CLUSTER PLANNING
BT Planning

CLUSTER HOUSES
USE SUBDIVISION DESIGN

CLUSTER ZONING
BT Open spaces
Zoning

CLUSTERED PATTERN
BT Spatial analysis

CNS DISORDERS
RT Water intoxication

COAGULATION
RT Analytical techniques
Floatation
Hardening
Separation
Separation techniques
Sewage treatment
(Continued)

COAGULATION (Continued)
RT Solid wastes
Treatment
Water purification
Water treatment

COAL
UF Anthracite
Bituminous coal
BT Fossil fuels
Organic matter
Rocks
Sedimentary rocks
NT Anthracite
Bituminous coal
Lignite
RT Fuels
Non-renewable resources

COAL DEPOSITS
UF Coal seams
BT Fossil fuel deposits
Mineral deposits
RT Coal
Coal mines

COAL GAS
BT Bases

COAL GASIFICATION
BT Gasification

COAL MINES
BT Mines

COAL MINE WASTES
BT Industrial wastes
Mine wastes
Wastes
RT Water pollution sources

COAL SEAMS
USE COAL DEPOSITS

COAL TAR
BT Bitumens
Bituminous materials
Hydrocarbons

COAL TOWNS
BT City forms
Community types
RT Anthracite metropolises

COAST PROTECTION
USE SHORE PROTECTION

COASTAL AREAS
USE COASTS

COASTAL MARSHES
BT Land forms
Marshes
Wetlands
RT Coasts
Salt marshes
Swamps
Terrain
Tidal marshes

COASTAL PLAINS
BT Land forms
Regions
RT Coasts
Terrain

COASTAL STRUCTURES
RT Harbors
Levees
Sea walls
Shores

COASTAL TOPOGRAPHIC FEATURES
RT Hills
Plains
Slopes

COASTLINES
USE COASTS

COASTS
UF Coastal areas
Coastlines
Seacoast
BT Land forms
RT Fjords
Littoral
Sand bars

COATINGS
NT Fire resistant coatings
RT Erosion control
Linings
Sealants

COAXIAL CABLES
BT Electric cables

COBALT
BT Metals
Transition metals
RT Cobalt isotopes

COBALT ALLOYS
BT Alloys
Metals
RT Cobalt
Heat resistant alloys
Steel

COBBLES
BT Earth materials

CODE ENFORCEMENT
RT Blight
Law enforcement
Planning
Urban renewal

CODES
UF Plumbing codes
BT Standards
NT Building codes
Heating codes
Housing codes
Property maintenance code
Sanitary code
Uniform minimum housing code
RT Heating codes

CODES OF PRACTICE (BUILDING)
USE BUILDING STANDARDS

CODES (STANDARDS)
USE STANDARDS

COEFFICIENTS
NT Discharge coefficients
Permeability coefficients
Runoff coefficient

COFFERDAMS
BT Dams
Hydraulic structures

COHESIONLESS SOILS
UF Noncohesive soils
BT Earth materials

COHESIVE SOILS
BT Soils
Earth materials
NT Boulder clay
Clay soils
RT Lacustrine soils
Loams
Noncohesive soils
Silts

COLD
RT Plant protection

COLD CLIMATES
BT Climate
RT Freeze-thaw cycle

COLD REGIONS
BT Regions
RT Freeze-thaw cycle

COLD-ROLLED STEEL
BT Iron alloys
Metals
Steel
RT Bars
Rolling
Steel pipes
Steel plates

COLD SPRINGS
UF Non-termal springs
BT Running waters
Springs (water)

COLD-WATER FISH
BT Animals
Aquatic animals
Aquatic life
Fish
Wildlife
RT Lake fisheries
Stream fisheries

COLD-WATER FISHING
BT Fishing

COLD WEATHER CONSTRUCTION
UF Winter construction
BT Construction

COLD WEATHER TESTS
BT Environmental tests

COLLECTION (SEWAGE)
USE SEWERAGE

COLLECTION SYSTEMS (WATER)
USE WATER COLLECTION SYSTEMS

COLLECTIVE FARMING
BT Farming
RT State farms

COLLEGE HOUSING
USE UNIVERSITIES AND COLLEGES-HOUSING

COLLEGES
BT Institutions
NT Land-grant universities

COLIFORM BACTERIA
BT Bacteria
Enterobacteriaceae
Eubacteriales
NT Aerobacter aerogenes
Escherichia coli

COLIFORMS
RT Sewage bacteria

COLLOIDS
BT Dispersions
NT Aerosis
Biological aerosols
Hydrosols
Organosols
Plastisols
Sols
RT Body fluids
Brownian movement
Clays
Colloid chemistry
Colloiding
Colloid mills
Dilatancy
Electric double layer
Electrophoresis
Emulsions
Enzymes
Foam
Gels
Gums
Homeostasis
Micelles
Non-Newtonian fluids
Soil classifications
Soil components

COLLOIDS (Continued)
RT Suspended sediments
Suspended solids
Turbidity

COLLUVIUM
BT Earth materials
Soils
RT Avalanches
Debris
Erosion
Landslides
Loose soils
Sediment deposits
Sheet erosion
Solifluction
Talus

COLONIAL CITIES
BT City forms

COLONIZATION
USE LAND SETTLEMENT

COLUMBIUM
USE NIOBIUM

COMBINED SEWERS
RT Outfall sewers
Overflows
Sanitary sewers
Storm sewers
BT Sewers

COMBINES
USE AGRICULTURAL MACHINERY

COMBUSTION
RT Flames

COMMERCE
UF Business
Commercial land use
Trade
NT Banks
Business blocks
Business centers
Foreign trade
Interstate commerce
Market areas
Retail stores
Suburban business centers
Urban commercial development
(Continued)

COMMERCE (Continued)
NT Urban commercial position
RT Financing
Pedestrian
Terminal cities
Transport cities
Urban transport-facilities

COMMERCIAL ACTIVITIES
BT Economic activities
NT Business districts
Establishments
Retail structure
Retail trades
Trade
RT Amusement areas
Business activities

COMMERCIAL AIRCRAFT
UF Airlines
BT Aircraft

COMMERCIAL AREAS
UF Retail stores
Shopping centers
BT Land use
NT Neighborhood business streets
RT Commerce
Downtown area
Stores

COMMERCIAL BANKS
USE BANKS

COMMERCIAL BUILDINGS
UF Department stores
Store buildings
RT Industrial buildings
Hotels
Motels

COMMERCIAL DEVELOPMENTS
UF Business development
BT Commercial land uses
Development

COMMERCIAL EDUCATION
USE BUSINESS EDUCATION

COMMERCIAL FISHING
BT Fishing
Industries

COMMERCIAL INTELLIGENCE
BT Economic intelligence

COMMERCIAL LAND USE
USE COMMERCE
LAND USE

COMMERCIAL LAND USES
BT Land use
NT Commercial development
RT Bulk regulations
Business development

COMMERCIAL LAW
RT Conveyancing

COMMERCIAL LIGHTING
UF Office lighting
Public building lighting
BT Illuminating

COMMERCIAL SHELLFISH
BT Animals
Aquatic animals
Aquatic life
Invertebrates
Shellfish
NT Brine shrimp
Clams
Crabs
Opossum shrimp
Oysters
Pink shrimp
Shrimp
RT Commercial fishing
Crustaceans
Lobsters

COMMERCIAL TRANSPORTATION
UF Transportation industry
BT Transportation
RT Public utilities

COMMON AREAS
BT Parks
Public land

COMMON LAND
BT Land
Public Land

COMMUNAL FORESTS
USE COMMUNITY FORESTS

COMMUNAL INFLUENCE
RT Utopias

COMMUNE CITIES
BT Types of cities

COMMUNICATION
RT Acoustics
Languages
Radar
Reports
Sociology
Television
Transmitters
Transportation

COMMUNICATION NETWORKS
USE TELECOMMUNICATIONS

COMMUNICATION SATELLITE SYSTEMS
USE RADIO RELAY SYSTEMS

COMMUNICATION SERVICES
USE TELECOMMUNICATION

COMMUNICATION SYSTEMS
USE TELECOMMUNICATION

COMMUNICATION THEORY
RT Graph theory
Information theory

COMMUNICATIONS
NT Rural communications
RT Advertising
Audio-visual aids
Literature
Propaganda
Social interaction

COMMUNICATIONS MANAGEMENT
BT Management
RT Community relations
Education
International relations
Publicity
Public relations
Publishing
Records management

COMMUNITIES
UF Neighborhoods
NT Experimental communities
(Continued)

COMMUNITIES (Continued)
NT Garden communities
Nascent urban communities
Planned communities
Rural communities
Waterfront communities
RT Human ecology

COMMUNITIES (BIOLOGICAL)
USE BIOLOGICAL COMMUNITIES

COMMUNITY ACTION
BT Social relations

COMMUNITY CENTERS
BT Social service
spatial patterns

COMMUNITY DEVELOPMENT
RT Community growth
Economics
Neighborhood planning
Population
Technical assistance programs
Urban sociology

COMMUNITY EROSION
BT Urban problems

COMMUNITY FACILITIES
BT Urban services
RT Comprehensive plan

COMMUNITY FORESTS
UF Communal forests
Municipal forests
Panchayat forests
BT Forests

COMMUNITY GROWTH
RT Community development

COMMUNITY IMPROVEMENTS
BT Urban change

COMMUNITY LIFE
RT Community structure

COMMUNITY ORGANIZATIONS
NT Neighborhood urban extension
RT Urban politics

COMMUNITY PLANNING
USE NEIGHBORHOOD PLANNING

COMMUNITY PLANNING
USE URBAN PLANNING

COMMUNITY RELATIONS
UF Public relations
RT Communications management
Public relations

COMMUNITY RENEWAL
UF Urban renewal
BT Urban renewal
RT Neighborhoods
Communities

COMMUNITY RENEWAL PROGRAM
RT Urban development

COMMUNITY STRUCTURES
RT Community life
Environment
Human resources

COMMUNITY SURVEY MANUALS
USE SURVEY METHODS

COMMUNITY TYPES
NT Balanced community
Bohemia
Chinatowns
Coal towns
Hill towns
Hobohemia
Industrial
Leisure city
Neighborhoods
Residential areas
Retirement village
Rural
Sea level city
Slums
Spontaneous towns
Spread city
Wealthy
Working class community

COMMUNITY UGLINESS
BT Urban amenities

COMMUTER RAILROADS
BT Mass transport

COMMUTING AREAS
BT Public transport

COMPACTED SOILS
BT Materials

COMPACTING
UF Compaction
Extrusion compacting
Pressing (compacting)
NT Soil compacting

COMPACTION
UF Compacting
NT Soil compactin
Vibratory compaction
RT Earth dams
Earth fills
Landfills
Soil physical properties

COMPACTS
USE INTERSTATE COMPACTS

COMPACTS (INTERSTATE)
USE INTERSTATE COMPACTS

COMPANY HOUSING
UF Industrial housing
Worker's housing
BT Housing

COMPANY TOWNS
BT Planned communities
RT Amenities
Company town stores
Industries
Utopias

COMPANY VILLAGES
BT Types of towns

COMPANIES
USE CORPORATIONS

COMPARATIVE CITY PLANNING
BT Urban planning

COMPETING USES
RT Non-consumptive use
Water rights

COMPETITION
RT Life history
Monopoly

COMPONENT CONSTRUCTION
USE PREFABRICATED CONSTRUCTION

COMPONENTS
USE PREFABRICATED CONSTRUCTION
COORDINATED COMPONENTS

COMPONENTS (SOIL)
USE SOIL COMPONENTS

COMPOSITE MATERIALS
BT Building materials
Construction materials
Materials
NT Particulate composites

COMPOSTS
RT Agricultural wastes
Mulches

COMPREHENSIVE PLAN
UF Master Plan
BT Urban planning
NT Thoroughfare plan
RT Community facilities

COMPREHENSIVE PLANNING
BT Planning
NT Community facilities plan

COMPREHENSIVE URBAN COUNTY PLAN
BT Regional planning

COMPRESSIBLE FLOW
BT Fluid flow
NT Subsonic flow
Supersonic flow

COMPRESSIBLE SOILS
BT Earth materials

COMPRESSION
RT Shear
Soil compression tests

COMPRESSION TESTS
BT Materials tests
Tests
NT Soil compression tests

COMPRESSTON TESTS (SOIL)
USE SOIL COMPRESSION TESTS

COMPRESSORS
RT Cooling systems

COMPTROLLER FUNCTIONS
USE FINANCIAL MANAGEMENT

COMPUTER APPLICATIONS
RT Computer programs
Mathematical analysis
Operations research
Statistical analysis
Structural analysis

COMPUTER ASSISTED INSTRUCTION
RT Instructional media

COMPUTER GRAPHICS
RT Planning analysis
Urban analysis

COMPUTER LANGUAGES
USE PROGRAMMING LANGUAGES

COMPUTER PROGRAMS
RT Computer applications
Information retrieval

COMPUTERS
BT Electronic equipment
Equipment
NT Analog computers
RT Cybernetics
Data transmission systems
Information systems
Research equipment
Systems analysis

CONACRE
BT Land tenure

CONCENTRATED SETTLEMENT
RT Urban densities

CONCENTRATORS
RT Smelters

CONCENTRATION
NT Urbanization
RT Sorption

CONCENTRATION (COMPOSITION)
RT Purity

CONCENTRATION (SEDIMENT)
USE SEDIMENT CONCENTRATION

CONCENTRATION (SILT)
USE SEDIMENT CONCENTRATION

CONCENTRIC ZONE THEORY
BT Spatial analysis
Urban dispersion
Urban theories
NT Transition zones
Zone of deterioration
RT Planning
Theater district

CONCENTRIC ZONES
BT Urban location theories

CONCRETE ADDITIVES
BT Additives
Chemicals
NT Water-reducing agents
RT Fly ash

CONCRETE AGGREGATES
BT Concretes

CONCRETE MIXERS
USE BUILDING EQUIPMENT

CONCRETE BLOCKS
BT Concretes

CONCRETE CONSTRUCTION
UF Shell construction
(concrete
RT Dam construction
Earthquake resistant
structures
Road construction
Thin arch dams

CONCRETE DAMS
BT Concrete structures
Dams
Engineering structures
Navigation dams
NT Buttress dams
Multiple arch dams
Thin arch dams
RT Earth dams
Dam construction
Dam design
Gravity dams

CONCRETE-LINED CANALS
BT Canals
Channels
Lined Channels
Waterways
(Continued)

CONCRETE-LINED CANALS (Continued)
RT Bedding materials
Canal construction
Canal design
Concretes
Conveyance structures
Engineering structures
Hydraulic structures
Irrigation canals
Lined canals
Linings
Rigid linings

CONCRETE LININGS
RT Mattresses
BT Linings

CONCRETE MASONRY
BT Masonry

CONCRETE PLANTS
BT Construction equipment
Construction plants

CONCRETE PAVEMENTS
BT Pavements

CONCRETE PLACING
RT Grouting

CONCRETE PRESTRESSED
UF Prestressed concrete
BT Concretes
RT Concrete construction

CONCRETE, REINFORCED
UF Reinforced concrete construction
BT Concretes
RT Concrete construction

CONCRETE STRUCTURES
BT Engineering structures
Structures
NT Buttress dams
Concrete dams
Multiple arch dams
Thin arch dams
RT Flood gates
Mill dams
Spillways
Stream gaging station
Structural concrete

CONCRETE TECHNOLOGY
RT Engineering
Fine aggregates
Fog-curing

CONCRETES
BT Building materials
Construction materials
Materials
NT Concrete aggregates
Concrete blocks
Concrete, prestressed
Concrete, reinforced
Reinforced concrete
Structural concrete
RT Dam facings
Fly ash
Fog-curing
Linings
Road design
Water cement ratio

CONDEMATION
RT Easements

CONDENSATION
UF Moisture condensation
NT Dews
Moisture condensation
RT Evaporation
Fog
Separation
Separation techniques
Smog

CONDENSATION (PROCESS)
USE CONDENSING

CONDENSATION TRAILS
UF Contrails
Exhaust trails
Vapor trails
RT Condensates
Plumes
Wakes

CONDENSERS (SYNCHRONOUS)
USE ELECTRICAL EQUIPMENT

CONDITION SURVEYS
USE RANGE MANAGEMENT

CONDITIONAL ZONING
BT Zoning

CONDENSING
UF Condensation (process)
NT Atmospheric condensation

CONDOMINIUM
BT Apartments

CONDOMINIUM HOUSING
USE COOPERATIVE HOUSING

CONDOMINIUM PROPERTY
NT Real property

CONDOMINIUM RESORT
BT Resorts

CONDUCTANCE (ELECTRICAL)
USE ELECTRICAL CONDUCTANCE

CONDUCTION
RT Thermal diffusivity

CONDUCTION (ELECTRIC)
USE ELECTRICAL CONDUCTANCE

CONDUCTION (HYDRAULIC)
USE HYDRAULIC CONDUCTIVITY

CONDUCTIVITY
BT Physical properties
NT Capillary conductivity
Electrical resistivity
Hydraulic conductivity
RT Electrical conductance
Electrical studies
Soil chemical properties
Soil physical properties
Water properties

CONDUCTIVITY (ELECTRICAL)
USE ELECTRICAL CONDUCTANCE

CONDUCTIVITY (HYDRAULIC)
USE HYDRAULIC CONDUCTIVITY

CONDUCTORS
USE ELECTRIC CONDUCTORS

CONDUITS
UF Pipes (tubes)
Water mains
BT Conveyance structures
Hydraulic structures
(Continued)

CONDUITS (Continued)
NT Aqueducts
Buried pipes
Canals
Capillary tubes
Closed conduits
Culverts
Diversion tunnels
Drain tiles
Earth-lined canals
Flumes
Irrigation conduits
Laterals
Lined canals
Pipelines
Pipes
Rigid tubing
Sewers
Tubes
Tunnels
Unlined canals
Venturi flumes
Water tunnels (conveyance)
Water tunnels (testing)
RT By passes
Diversion works
Inflow
Intakes
Interbasin water transfers
Irrigation engineering
Storm drains
Water conveyance

CONES (ALLUVIAL)
USE ALLUVIAL DEPOSITS

CONFIDENCE INTERVALS
USE CONFIDENCE LIMITS

CONFIDENCE LIMITS
UF Confidence intervals
BT Statistical analysis
RT Contingency
Estimates
Expectation
Forecasting
Measurement
Null hypothesis
Precision
Predictions
Quality control
Range (extremes)
Reliability
(Continued)

CONFIDENCE LIMITS (Continued)
RT Risk
Sampling
Significance
Standard deviation
Standard error
Statistical dispersion
Statistical inference
Statistical tests
Variability
Variance (statistics)

CONFINED AQUIFERS
USE AQUIFERS

CONFINED GROUNDWATER
USE CONFINED WATER

CONFINED WATER
UF Artesian water
Confined ground water
BT Ground water
Subsurface waters
Water
Water types

CONFINEMENT PENS
RT Livestock

CONFLICT
NT Culture conflict

CONFLUENCE FORK SITES
BT Sites

CONGLOMERATE ROCKS
BT Rocks
Sedimentary rocks
RT Sandstones

CONIFEROUS FORESTS
BT Biomes
Forests
RT Coniferous trees
Conifers
Forestry
Hardwood
Juniper trees
Mixed forests
Softwood
Yellow podzolic soils

**CONIFEROUS TREES**
- BT Conifers
  - Gymnosperms
  - Plants (botany)
  - Trees
- NT Balsam fir trees
  - Bristlecone pine trees
  - Douglas fir trees
  - Fir trees
  - Grand fir trees
  - Hemlock trees
  - Jack pine trees
  - Juniper trees
  - Loblolly pine trees
  - Lodgepole pine trees
  - Noble fir trees
  - Pacific silver fir trees
  - Pine trees
  - Pinyon pine trees
  - Ponderosa pine trees
  - Red fir trees
  - Red pine trees
  - Scotch pine trees
  - White-cedar trees
  - White fir trees
  - White pine trees
  - Yellow pine trees
- RT Coniferous forests
  - Forestry
  - Hardwood
  - Softwood

**CONIFERS**
- BT Biomes
  - Gymnosperms
  - Plants(botany)
- NT Balsam fir trees
  - Bristlecone pine trees
  - Coniferous trees
  - Douglas fir trees
  - Fir trees
  - Grand fir trees
  - Hemlock trees
  - Jack pine trees
  - Juniper trees
  - Loblolly pine trees
  - Lodgepole pine trees
  - Noble fir trees
  - Pacific silver fir trees
  - Pine trees
  - Pinyon pine trees
  - Ponderosa pine trees
  - Red fir trees
  - (Continued)

**CONIFERS (Continued)**
- NT Red pine trees
  - Scotch pine trees
  - White-cedar trees
  - White fir trees
  - White pine trees
  - Yellow pine trees
- RT Coniferous forests
  - Shrubs

**CONJUNCTIVE USE**
- RT Aquifers
  - Ground water
  - Subsurface waters
  - Subsurface-ground water relationships
  - Surface waters
  - Water management
  - Water resources development
  - Water storage
  - Water supply
  - Water utilization

**CONNATE WATER**
- BT Ground water
  - Subsurface waters
  - Water
  - Water types
- RT Juvenile water
  - Meteoric water
  - Phreatic water
  - Pores
  - Porous media
  - Rocks
  - Saline water
  - Water sources

**CONSERVANCY DISTRICTS**
- NT Drainage districts
  - Irrigation districts

**CONSERVATION**
- UF Natural resource conservation
  - Supply economy
- NT Erosion control
  - Fish conservation
  - Neighborhood conservation
  - Resource conservation
  - Soil conservation
  - Water conservation
  - Water reclamation
  - Wildlife conservation
- RT Experimental farms
  - (Continued)

CONSERVATION (Continued)
RT Grassed waterways
Land management
Land reclamation
Land resources
Mountain forests
National forests
Preservation
Pasture management
Ranges
Reclamation
Reservoir performance
Riparian plants
Scenery
Shelter belts
Water resources development

CONSERVATION EDUCATION
BT Education
RT Biological sciences
Geography
Natural resources
Outdoor education
Physical sciences
Soil conservation

CONSERVATION (CITY PLANNING)
USE NEIGHBORHOOD REHABILITATION

CONSERVATION (NATURAL RESOURCES)
USE NATURAL RESOURCES

CONSISTENCY
RT Reliability
Soil plasticity

CONSTITUTIONS, STATE
UF State constitutions

CONSOLIDATION
RT Land subsidence
Soil consolidation tests
Soil shrinkage
Stability
Stabilization

CONSOLIDATION TESTS (SOIL)
USE SOIL CONSOLIDATION TESTS

CONSTRAINS
NT Institutional constrains
Political constrains
RT Ranges

CONSTRUCTION
UF Building
NT Bridge construction
Canal construction
Cold weather construction
Dam construction
Fireproof construction
Prefabrication
Reservoir construction
Road construction
Tunnel construction
Tunneling
RT Earthwodk
Engineering services
Girders
Grading (earthwork)
Grout curtains
Grouting
Hydraulic fill dams
Layout
Paving
Public works
Rapid excavation
River closures
Rock fills
Wellpoints
Underwater excavation

CONSTRUCTION CONTRACTS AWARDED
BT Contracts
RT Housing statistics
Statistics

CONSTRUCTION CONTROL
RT Dam construction
Road construction

CONSTRUCTION COSTS
USE BUILDING COSTS

CONSTRUCTION EQUIPMENT
BT Equipment
NT Asphalt plants
Asphalts
Concrete plants
Earth handling equipment
Excavators
Tunneling machines
Wellpoints
RT Earthmoving
Paving equipment
Rapid excavation

CONSTRUCTION FINANCE
USE CONSTRUCTION LOANS

CONSTRUCTION INDUSTRY
UF Building industry
BT Industries
RT Brick industry

CONSTRUCTION JOINTS
RT Keyways

CONSTRUCTION LOANS
UF Building loans
Construction finance
BT Loans

CONSTRUCTION MATERIALS
BT Materials
NT Aggregates
Building materials
Ceramic materials
Composite materials
Concretes
Earth materials
Fine aggregates
Glass
Gravels
Low alloy steels
Low carbon steels
Lumber
Reinforced concrete
Reinforcing materials
Reinforcing steels
Riprap
Rubber
Soil cement
Stainless steel
Steel
Structural concrete
Structural steel
Timbers
Wood
RT Base courses
Reinforcement
Road design
Wood preservation

CONSTRUCTION METHODS
RT Dam construction
Rapid excavation
Structural engineering

CONSTRUCTION PLANTS
NT Asphalt plants
Concrete plants
RT Dam construction

CONSULTANTS
BT Personnel

CONSUMER ACCEPTANCE
RT Consumer preferences

CONSUMER BUYING PRACTICES
RT Consumer preferences

CONSUMER COOPERATIVES
UF Buying cooperatives
Cooperative buying
BT Cooperatives
RT Credit cooperatives
Rochdale principles

CONSUMER CREDIT
BT Credit
RT Installment plan

CONSUMER DEMAND
USE DEMAND

CONSUMER EDUCATION
BT Education
RT Consumers

CONSUMER MOTIVATION
USE MOTIVATION RESEARCH

CONSUMER PREFERENCES
NT Food preferences
RT Consumer acceptance
Consumer buying practices

CONSUMER RESEARCH
BT Research
NT Consumer research methodology
Food consumption surveys
RT Motivation research

CONSUMER SERVICES
USE FAMILY LIVING REQUIREMENTS

CONSUMER SURVEYS
USE MARKET SURVEYS

CONSUMERS
NT Household consumers
Industrial consumers
Water users
RT Consumer education
Marketing
Sales

CONSUMPTION
NT Food consumption
Water consumption

CONSUMPTION PATTERNS
RT Households

CONSUMPTIVE USE
BT Water utilization
RT Blaney-Criddle formula
Circulation (plants)
Crop production
Crop response
Evaporation
Evapotranspiration
Irrigation water
Moisture uptake
Phreatophytes
Riparian vegetation
Transpiration
Water loss
Water requirements
Withdrawal

CONSUMPTIVE USE OF WATER
USE WATER CONSUMPTION

CONSUMPTIVE USE (WATER)
RT Demand (irrigation systems)
Non-consumptive use

CONTAINERS
UF Boxes
Cans
NT Cisterns
Sand tanks
Sedimentation tanks
Storage tanks
Tanks (containers)
Water tanks
RT Storage
Waste disposal

CONTAMINANTS
UF Pollutants
Tramp iron
NT Radioactive contaminants
RT Airborne wastes
By products
Concentration (composition)
Contamination
Diluents
Dust
(Continued)

CONTAMINANTS (Continued)
RT Effuents
Exhaust gases
Fumes
Impurities
Poisons
Pollution
Purification
Purity
Radioactive wastes
Smog
Tailings
Toxicology
Wastes

CONTAMINATED FOOD
USE FOOD CONTAMINATION

CONTAMINATION
NT Radioactive contamination
Soil contamination
RT Food contamination
Pollutants
Pollution
Purification
Treatment facilities
Water pollution

CONTAMINATION (AIR)
USE AIR POLLUTION

CONTAMINATION (RADIOLOGICAL)
USE RADIOACTIVE CONTAMINATION

CONTAMINATION (RIVER)
USE STREAM POLLUTION

CONTAMINATION (STREAM)
USE STREAM POLLUTION

CONTAMINATION (WATER)
USE WATER POLLUTION

CONTEMPORARY ARCHITECTURE
USE ARCHITECTURE, MODERN

CONTIGUOUS REGIONS
BT Regions

CONTIGUOUS URBAN DEVELOPMENT
BT Urban development

CONTINENTAL DRIFT
BT Drift
RT Geophysics
Marine geology
Paleoclimatology

CONTINENTAL MARGIN
BT Land forms
NT Continental drift
Continental slope
RT Structural geology

CONTINENTAL MASSES
BT Earth crust
Earth planetary structure

CONTINENTAL SHELF
BT Continental margin
Land forms

CONTINENTAL SLOPE
BT Continental margin
Land forms
Slopes

CONTINUOUS GRAZING
USE GRAZING

CONTINUOUS INVENTORY (FORESTS)
USE FOREST SURVEYS

CONTINUUM
RT Vegetal relationships

CONTOUR
BT Terrain
RT Strip cropping

CONTOUR FARMING
BT Cultivation
Land management
Management
Soil management
RT Contour furrows
Contours
Erosion control
Farm management
Furrows
Grassed waterways
Land forming
Land management
Soil conservation
Strip cropping
Terracing
Water storage

CONTOUR FURROWS
BT Ditches
Furrows

CONTOUR MAPPING
USE TOPOGRAPHIC MAPPING

CONTOURING
RT Soil conservation
Strip cropping
Terracing

CONTRACT ADMINISTRATION
UF Extra work orders
BT Administration
Management
NT Bids

CONTRACT DOCUMENTS
BT Contracts

CONTRACT FARMING
BT Farming
RT Vertical integration

CONTRACT ZONING
BT Zoning

CONTRACTS
UF Agreements
Contracts (engineering)
Engineering contracts
NT Construction contracts awarded
Contract documents
Housing research contracts
Land contracts
RT Grants
Leases
Public works
Unjust enrichment

CONTRACTS (ENGINEERING)
USE CONTRACTS

CONTRAILS
USE CONDENSATION TRAILS

CONTROL
UF Animal control
NT Air pollution control
Aquatic weed control
Biocontrol
Chemicontrol
Corrosion control
Dust control
Erosion control
Evaporation control
(Continued)

CONTROL (Continued)
NT Evapotranspiration control
Flood control
Flow control
Gate control
Geologic control
Insect control
Mechanical control
Pest control
Physical control
Pollution control
Quality control
Sediment control
Seepage control
Temperature control
Transpiration control
Water control
Water pollution control
Water quality control
Weed control
RT Control systems
Electric wiring
Licenses
Preservation
Regulation
Stabilization
Weirs

CONTROL CHARTS
BT Charts
RT Assignable causes
Centralized control
Chance causes
Control boards
Cost control
Critical path method
Forecasting
Inventory control
Management by exception
Mean
Planning
Predictions
Production control
Production rate
Quality control
Range (extremes)
Scheduling
Standards
Statistical quality control
Variability
Visual aids

CONTROL EQUIPMENT
UF Controls
Control systems
Remote control systems
NT Electric relays
Electric switches
RT Automation
Computers
Control systems

CONTROL SYSTEMS
UF Control equipment
RT Automatic control
Automation
Control
Control equipment
Detectors
Electrical equipment
Electronic equipment
Feedback
Governors
Instrumentation
Materials control
Mechanical control
Monitoring
Nonlinear systems
Pneumatic systems
Pressure regulators
Protective relaying
Pumps
Recording systems
Regulation
Remote control
Scheduling
Sensors
Servomechanisms
Telemetry
Water management (applied)
Water resources management

CONTROLLED ACCESS HIGHWAY FACILITIES
BT Transportation facilities

CONTROLLED BURNING
BT Burning
RT Brush control
Perturbation
Range management

CONTROLLED ENVIRONMENT
BT Environment
RT Greenhouses

CONTROLLED SHOPPING CENTER
RT Retail trades

CONTROLLERS
RT Cybernetics

CONTROLS
USE CONTROL EQUIPMENT

CONVECTION
BT Circulation
Movement
Transport phenomena
RT Advection
Air circulation
Atmosphere
Benard cells
Boundary processes

CONVECTION CLOUDS
BT Clouds
RT Weather

CONVERGING FLOW
BT Flow
Movement

CONVERSION
NT Energy conversion
RT Liquefaction

CONVERSION (SALINE WATER)
USE DEMINERALIZATION

CONVERSION (SALT WATER)
USE DEMINERALIZATION

CONVERSION (SEA WATER)
USE DEMINERALIZATION

CONVERTERS (ELECTRICAL)
RT Electric power

CONVEYANCE STRUCTURES
BT Hydraulic structures
Structures
NT Aqueducts
Canals
Closed conduits
Conduits
Diversion tunnels
Earth-lined canals
Flumes
Irrigation canals
(Continued)

CONVEYANCE STRUCTURES (Continued)
NT Laterals
Lined canals
Pipelines
Sluices
Sublaterals
Tunnels
Venturi flumes
RT By passes
Floodways
Public works
Sewers
Water control
Water conveyance
Water plans

CONVEYANCE (WATER)
USE WATER CONVEYANCE

CONVEYANCING
UF Abstracts of title
RT Commercial law
Real property

CONVEYORS
RT Earth moving

COOLING
BT Transport phenomena
NT Water cooling
RT Cooling systems
Quenching
Ventilation

COOLING SYSTEMS
RT Compressors
Cooling

COOLING TOWERS
BT Engineering structures
RT Equipment

COOLING WATER
UF Industrial cooling
BT Industrial water
Water
Water types
RT Water pollution sources

COOPERATION
RT Federal-state cooperation

COOPERATIVE APARTMENTS
USE COOPERATIVE HOUSING

COOPERATIVE BUYING
NT Consumer cooperatives

COOPERATIVE FARMING
BT Farming

COOPERATIVE HOUSING
UF Apartment houses, cooperative
Condominium housing
Cooperative apartments
BT Cooperatives
Housing

COOPERATIVES
BT Organizations
NT Consumer cooperatives
Cooperative housing

COORDINATED COMPONENTS
UF Building components
Components
RT Building construction
Modular coordination
Standardization

COPPER
BT Metals
Transition metals
RT Blister copper
Chalcopyrite
Copper isotopes

COPPER
BT Chemical elements
Metals

COPPER ALLOYS
BT Alloys
Metals
NT Brass
RT Copper

CORE CITIES
BT Metropolitan areas
Urban regions

CORES
RT Earth core

CORE DRILLING
BT Drilling

CORN BELT
BT Geographical regions
Regions

CORN CRIBS
BT Farm buildings

CORN (FIELD)
UF Zea mays
BT Agronomic crops
Cereal crops
Crops
Field crops
Grasses
Monocots
Plants (botany)
RT Grains (crops)
Silage
Sweet corn

CORONAS
RT Atmospheric electricity

CORONAS (ELECTRIC
USE ELECTRIC CORONAS

CORPORATIONS
UF Business corporations
Companies
BT Business
NT Government corporations
RT Manufacturers

CORPORATIONS, GOVERNMENT
USE GOVERNMENT CORPORATIONS

CORPORATIONS, NONPROFIT
USE NONPROFIT HOUSING ORGANIZATIONS

CORRALS
RT Ranches

CORRECTIVE INSTITUTIONS
BT Institutions

CORRELATING
USE CORRELATION

CORRELATION
UF Correlating
Correlation functions
BT Statistical methods
NT Autocorrelation
Cross correlation
(Continued)

CORRELATION (Continued)
- NT Multiple correlation
  - Partial correlation
- RT Forecasting

CORRELATION FUNCTIONS
- USE CORRELATION

CORRIDOR STREET
- BT Streets

CORROSION
- NT Atmospheric corrosion
  - Scale (corrosion)
  - Underground corrosion
- RT Aging (physical)
  - Corrosion environments
  - Saline water
  - Weathering
  - Well filters

CORROSION CONTROL
- UF Anticorrosion materials
  - Corrosion prevention
  - Corrosion protection
  - Corrosion reduction
- BT Control
- RT Linings
  - Preservation
  - Soil chemistry
  - Underground corrosion
  - Well casings
  - Well filters
  - Well screens
  - Weather proofing

CORROSION CURRENTS
- BT Electric current

CORROSION ENVIRONMENTS
- RT Corrosion
  - Environmental tests
  - Environments
  - Waters
  - Wastes

CORROSION PREVENTION
- USE CORROSION CONTROL

CORROSION PROTECTION
- USE CORROSION CONTROL

CORROSION REDUCTION
- USE CORROSION CONTROL

CORROSION RESISTANCE
- BT Chemical properties
  - Durability
  - Mechanical properties

CORROSION TESTS
- BT Materials tests
  - Tests
- NT Atmospheric corrosion tests
- RT Environmental tests

COST ALLOCATION
- BT Allocations
- RT Cost sharing
  - Decision making
  - Engineering costs
  - Federal project policy
  - Water policy

COST ANALYSIS
- BT Analysis

COST-BENEFIT ANALYSIS
- UF Benefit-cost analysis
- BT Costs
  - Economics
- RT Electric power costs
  - Engineering economy
  - Feasibility studies
  - Land appraisal

COST CONTROL
- UF Budget control
  - Budget execution
- RT Forecasting

COST OF LIVING
- BT Living index
- RT Housing costs

COST PLUS CONTRACT
- RT Government contracts

COST SHARING
- RT Administration
  - Cost allocation
  - Costs
  - Water policy

COSTS
- UF Expenses
- NT Drainage costs
  - Electric power costs
  - (Continued)

COSTS (Continued)
NT Engineering costs
Operating costs
Operation and maintenance costs
Water costs
Cost-benefit analysis
RT Cost sharing
Depreciation
Electric power rates
Renting
Taxes
Value engineering
Water pricing
Water rates

COTTAGES
USE HOUSES

COTTON GINS
USE AGRICULTURAL MACHINERY

COTTONWOODS
UF Populus species
BT Crops
Deciduous trees
Dicots
Horticultural crops
Phreatophytes
Plants (botany)
Trees

COTTRELL PRECIPITATORS
USE ELECTROSTATIC PRECIPITATORS

COUNCILS OF GOVERNMENTS
RT Intergovernmental relations
Local government officials
Local government structure
Metropolitan integration

COUNTIES
BT Administration areas
Political areas
NT Administrative counties

COUNTRY BELT PRINCIPLE
BT Planning

COUNTRY LIFE
USE RURAL LIFE

COUNTY GOVERNMENT
UF Local government
Local public agencies
RT Local government
Metropolitan government
Municipal government

COUNTY PARKS
BT Parks
RT Recreation

COUNTY PLANNING
UF Multijurisdictional area
BT Planning
Regional planning
State planning
NT Suburban county planning

COUNTY PLANNING LEGISLATION
BT Legislation

COUNTY ZONING
BT Zoning

COURTS
BT Institutions

COURTYARDS
USE TERRACES

COVENANTS, PROTECTIVE
USE SEEDS

COVENANTS, RESTRICTIVE
USE SEEDS

COVER
NT Ground cover
Plant cover
RT Litter
Microenvironment
Surface properties

COVER CROPS
BT Crops
Plants (botany)
NT Food and cover crops
RT Erosion control
Ground cover
Soil conservation

COW POOLS
BT Dairy industry

CRACKING PROCESS
RT Petroleum refining

CRACKS
RT Grout stops

CRAPPIES
USE SUNFISHES

CRATERS
BT Land forms
RT Calderas
Pinacate
Volcanoes

CREDIT
NT Consumer credit

CREEKS
USE STREAMS

CREEL CENSUS
BT Census
RT Aquatic productivity
Fish establishment
Fish harvest
Fishing
Fish populations
Sampling
Surveys (data collection)

CREEP PROPERTIES
RT Mass movements (geology)

CRENICHTHYS SPECIES
USE KILLIFISHES

CRESTED WHEATGRASS
USE WHEATGRASSES

CRESTS (WEIRS)
USE WEIR CRESTS

CRETACEOUS PERIOD
BT Mesozoic era

CRITERIA
NT Design criteria
Operating criteria

CRITICAL DENSITY
BT Density

CRITICAL FLOW
BT Flow
Fluid flow
Movement
NT Subcritical flow
Supercritical flow

CRITICAL PATH METHOD
UF Critical path scheduling
BT Network analysis (management)
Operations research
RT Forecasting

CRITICAL PATH SCHEDULING
USE CRITICAL PATH METHOD

CROP ESTIMATES
UF Crop forecasts
BT Estimates
RT Crop reports

CROP FORECASTS
USE CROP ESTIMATES

CROP INSURANCE
BT Agricultural insurance
NT Drought insurance
Frost insurance
Hail insurance

CROP LOSSES
NT Harvesting losses
RT Plant diseases
Plant injuries
Plant nematodes

CROP PRODUCTION
BT Agronomy
RT Agriculture
Consumptive use
Crop rotation
Crop yield
Cultivation
Fallowing
Land use
Nutrient requirements
Plant breedings
Plant growth
Productivity
Seed production
Sprinkler irrigation
Vegetation
Water requirements

CROP REPORTS
RT Crop estimates

CROP RESPONSE
RT Consumptive use
Drought tolerance
Irrigation effects
Mulching
Nutrient requirements
Stubble mulching

CROP ROTATION
UF Cropping systems
Farm management
Rotation (crops)
RT Catch crops
Dry farming
Fallowing

CROP SCIENCE
USE AGRONOMY

CROP WEEDS
BT Plants (botany)
Weeds
RT Aquatic weeds
Range weeds
Turf weeds

CROP YIELD
UF Plant yields
Yields (crops)
RT Crop production
Crops
Vegetation

CROPPING SYSTEMS
USE CROP ROTATION
FARM MANAGEMENT

CROPS
NT Agronomic crops
Brush
Cacti
Cereal crops
Chaparral
Cover crops
Food and cover crops
Forages
Fruit crops
Horticultural crops
Orchardgrass
Orchards
Sagebrush
(Continued)

CROPS (Continued)
NT Shrubs
Standing crops
Wheat
Wheatgrasses
NT Ash trees
Alfalfa
Birch trees
Black locust trees
Bluegrasses
Bromegrass
Cottonwoods
Corn (fields)
Citrus fruits
Deciduous trees
Forage legumes
Hickory trees
Industrial crops
Kentucky bluegrass
Legumes
Maple trees
Oak trees
Oats
Rabbitbush
Rice
Sorghum
Stone fruits
Sycamore trees
Willow trees
RT Crop yield
Demand (irrigation systems)
Experimental farms
Fertilization
Harvesting
Optimum crop yield
Soil management
Water hyacinth

CROSSROADS
BT Roads

CRUDE OIL
RT Petroleum refining
Reservoir fluids
Shale oil

CRUSTACEANS
UF Cladocera
BT Animals
Aquatic animals
Aquatic life
Invertebrates
NT Brine shrimp
Shrimp

CRUSTS
BT Soil types
NT Desert varnish
Duricrust
RT Desert soils

CRYOGENIC TEMPERATURE
USE CRYOGENICS

CRYOGENICS
UF Cryogenic temperature
RT Adiobatic demagnetization
Cold types
Cryogenic surgery
Cryopumping
Cryosars
Cryostats
Cryotrons
Dewar flasks
Joule-Thomson effect
Liquefied gases
Low temperature research
Low temperature tests
Meissner effect
Refrigerating
Semiconductor devices
Solified gases
Solified gases
Temperature
Thermodynamics

CRYOTHERAPY
RT Freezing

CRYSTAL GROWTH
RT Growth

CRYSTALLINE ROCKS
BT Rocks
NT Acidic rocks
Igneous rocks
Quartzite
Volcanic rocks

CRYSTALLIZATION
RT Supersaturation
Water of crystallization
Water of hydration

CRYSTALS
NT Clathrates
Ice crystals

CUESTAS
BT Geomorphology
Land forms
RT Block faulting
Erosion
Sedimentary rocks
Slopes
Uplift

CULINARY USE
USE DOMESTIC WATER

CULTIVATED GRASSES
BT Grasses
NT Hordeum verlgare
Sorghum
RT Forage grasses

CULTIVATED LANDS
UF Fields (cultivated)

CULTIVATED PLANTS
USE ORNAMENTAL PLANTS
ECONOMIC PLANTS

CULTIVATION
UF Tillage
BT Land management
Soil management
NT Contour farming
Deep tillage
RT Fallowing
Fertilizers
Furrows
Irrigation practices
Plowing
Soil conservation
Soil environment
Soil treatment

CULTURAL BEHAVIOR
NT Citizen participation
City consciousness
Conservatism
Cosmopolitan
Cultural integration
Discrimination
Ethnic studies
Functional integration
Newcomer enculturation
Social cleavage
Social stratification
Status striving
RT Blighted districts
Custom

CULTURAL ACCUMULATION
RT Ethnic areas

CULTURAL CENTERS
RT Auditoriums
Museums
Recreational facilities
Theaters

CULTURAL GROUPS
RT Ghettos

CULTURAL IMPLICATIONS OF CITY PLANS
BT City planning

CULTURAL INTEGRATION
BT Cultural behavior

CULTURAL LANDSCAPE
BT Geographic variables
Landscape

CULTURE CONFLICT
BT Conflict

CULTURES
RT Hydroponics

CULVERTS
BT Buried pipes
Conduits

CUMULONIMBUS CLOUDS
BT Clouds
RT Weather

CUMULUS CLOUDS
UF Clouds (cumulus)
BT Clouds
RT Weather

CURING
RT Aging (physical)
Preservation
Weathering

CURRENCY
USE MONEY

CURRENT METERS
BT Equipment
Instrumentation
RT Currents (water)
Discharge measurement
(Continued)

CURRENT METERS (Continued)
RT Discharge (water)
Flow measurement
Gages
Rates
Rotating meters
Stream gages
Velocity
Water measurement

CURRENTS (ELECTRIC)
USE ELECTRIC CURRENT

CURRENTS (RIVER)
USE RIVER CURRENTS

CURRENTS (WATER)
RT Bed movements
Estuaries
Flood waves
Tides
Sand bars
Sand spits
Sand waves
Water circulation

CURTAINS
NT Grout curtains
RT Buried membranes
Cutoffs
Impervious linings
Underseepage

CURVE FITTING
RT Chi square test
Data smoothing
Forecasting
Least squares method
Minimax technique
Moving average
Pearl - reed curves
Scatter diagrams
Statistical distributions
Statistical tests
Time series analysis

CURVES
BT Geometric shapes
NT Flow duration curves
RT Road design

CURVES (GRAPHS)
USE GRAPHS (CHARTS)

CURING
NT Fog-curing

CUT AND FILL
USE EARTHWORK

CUTOFF TRENCHES
BT Trenches

CUTOVER FORESTS
UF Logged-over lands
BT Forests

CUTTING
RT Boring
Gully erosion

CUTTING MANAGEMENT
BT Management
NT Clear-cutting
RT Erosion control
Lawns
Pasture management
Vegetation regrowth
Water conservation
Water management

CYANIDES
NT Hydrogen cyanide
Iron cyanides
Potassium cyanides
Sodium cyanide

CYANIDING (BENEFICIATION)
RT Aeration
Beneficiation
Hydrometallurgy
Leaching
Precipitation (chemistry)

CYCLES
NT Carbon cycle
Hydrologic cycle
Nitrogen cycle
RT Food chains
Water circulation

CYCLES (DROUGHT)
USE DROUGHTS

CYCLES-OF-EROSION CONCEPT
RT Erosion
Fluvial processes

CYCLIC LOADS
BT Loads (forces)

CYCLIC VARIATIONS
USE PERIODIC VARIATIONS

CYBERNETICS
RT Adaptive systems
Computers
Controllers
Information theory
Psychology

CYCLONES
NT Tropical cyclones
RT Atmospheric disturbances
Precipitation (meteorology)
Storms
Weather
Wind (meteorology)

CYPRINODON SPECIES
USE KILLIFISHES

DDD
UF TDE
BT Chlorinated hydrocarbon pesticides
Halogenated pesticides
Insecticides
Organic compounds
Organic pesticides
Pesticides

DDE
BT Chlorinated hydrocarbon pesticides
Halogenated pesticides
Insecticides
Organic compounds
Organic pesticides
Pesticides

DDT
BT Chemicals
Chlorinated hydrocarbon pesticides
Halogenated pesticides
Insecticides
Organic compounds
Organic pesticides
Pesticides

DACTYLIS GLOMERATA
USE ORCHARDGRASS

DAIRY CATTLE
BT Artiodactyla
Cattle
Domestic animals
Eutheria
Livestock
Mammals
Ruminants
Ungulata
Vertebrates
RT Beef cattle
Dairies
Dairy equipment
Dairy products

DAIRY FARM MANAGEMENT
RT Dairy farm management

DAIRY INDUSTRY
UF Dairying
BT Agricultural industries
Industries
NT Cow pools

DAIRY INDUSTRY (Continued)
RT Dairy farm management
Milk

DAIRYING
USE DAIRY INDUSTRY

DAM BREACHES
UF Breaches (dam)
RT Dams
Failure (mechanics)
Floods

DAM CONSTRUCTION
BT Construction
RT Concrete construction
Concrete dams
Construction control
Construction methods
Construction plants
Dams
Earth dams
Embankments
Excavation
Grouting
Outlet works
Spillways

DAM COSTS
RT Dams
Earth dams
Roads
Surfacing

DAM DESIGN
BT Design
Structural design
RT Concrete dams
Dams
Earth dams
Embankments
Grouting
Outlet works
Spillways
Stability analysis

DAM FACINGS
RT Concretes
Dams
Earth dams
Erosion control
Rocks
Steel plates

DAM FAILURE
UF Rupture (dams)
BT Failure

DAM FOUNDATIONS
BT Foundations
RT Rock foundations
Seepage control
Settlement (structural)
Trail-load method
Underseepage
Vertical drains

DAMAGE
UF Explosion damage
Nuclear explosion damage
NT Fire damage

DAMAGE CONTROL
RT Fire fighting

DAMAGES
NT Flood damage
RT Erosion
Forest fires
Weathering
Radioactivity effects
Torts
Underseepage

DAMP
USE MOISTURE

DAMPING
RT Earthquake resistant structures
Elimination
Seismic design
Seismic tests
Soil dynamics
Stability

DAMPNESS IN BUILDINGS
USE MOISTURE CONDENSATION

DAMS
BT Hydraulic structures
Structures
NT Arch dams
Buttress dams
Check dams
Cofferdams
Concrete dams
Diversion dams
(Continued)

DAMS (Continued
NT Double-curvature arch dams
Earth dams
Forebay dams
Gravity dams
Hydraulic fill dams
Masonry dams
Mill dams
Movable dams
Multiple arch dams
Navigation dams
Retention dams
Rockfill dams
Self-spillway dams
Thin arch dams
RT Backwater
Bypasses
Dam Breaches
Dam construction
Dam crests
Dam design
Dam facings
Dikes
Discharge lines
Diversion works
Embankments
Flood control
Gravel blankets
Hydraulic engineering
Large structures
Levees
Outlet works
Overtopping
Ponding
Public works
River closures
River regulation
Seepage
Settling basins
Ski-jump spillways
Spillways
Structural behavior
Water control
Washouts
Water storage
Water surface
Water supply systems
Weirs

DAMSITES
BT Sites
RT Abutments
Dam construction
Dam design
(Continued)

DAMSITES (Continued)
RT Dam foundations
Dams
Earth dams
Engineering geology
Locations
Potential hydropower
Project planning
River beds
Site selection
Terrain
Terrain analysis
Topography

DARCY-WEISBACH EQUATION
BT Equations
RT Chezy equation
Discharge coefficients
Discharge measurement
Discharge (water)
Head loss
Mathematical studies
Moody resistance diagrams
Pipes
Steady flow
Uniform flow

DARCYS LAW
RT Drainage
Flow
Ground water
Hydraulic conductivity
Permeability
Soil water movement
Transmissivity

DATA
UF Information
NT Statistics
Urban data
Urban information
RT Census
City directories
Directories
Ecometrics

DATA COLLECTIONS
NT On-site data collections
RT Climatic data
Reports
Reviews
Telemetry

DATA PROCESSING
UF Automatic data processing
(Continued)

DATA PROCESSING (Continued)
UF Electronic data processing
BT Processing
NT Data storage
RT Automation
Data transmission
Data transmission systems
Information theory
Statistics
Systems engineering
Tables (data)

DATA PROCESSING EQUIPMENT
NT Airborne computers
Analog computers
Asynchronous computers
Auxiliary equipment (computers)
Bombing computers
Card punches (data processing)
Card to tape converters
Computer driven punches
Computers
Curve followers
Data processing collators
Digital computers
Electronic computers
Fire control computers
Fluidic computers
General purpose computers
Guidance computers
Hybrid computers
Key punches
Mechanical computers
Navigational computers
Parallax computers
Plotters
Printers (data processing)
Punched card collators
Punched card equipment
Punched card interpreters
Punched card readers
Punched card reproducers
Punched card sorters
Punched card readers
Radar range computers
Reader-punches
Shipboard computers
Special purpose computers
Summary punches
Synchronous computers
Tabulators
Tape to card converters
Tape to tape converters
Torpedo data computers
Verifiers

DATA RETRIEVAL
NT Standard metropolitan statistical area
RT Data banks
Information retrieval
Observed urban data

DATA STORAGE
BT Data processing
Processing
Storage

DATA TRANSMISSION
RT Data processing
Networks
Tables (data)
Telemetry

DATA TRANSMISSION SYSTEMS
RT Analog models
Analogs
Computers
Data processing

DATING
NT Dendrochronology
Radioactive dating
RT Age
Geologic time
History
Paleontology
Time
Timing

DAY NURSERIES
UF Nurseries, day
BT Welfare
RT Children
Community facilities
Social welfare

DEAD LOADS
BT Loads (forces)

DEAD STORAGE
BT Storage
Water storage

DEAD SUBDIVISIONS
BT Land
RT Functional consolidations
Land use

DEATH RATE
USE MORTALITY

DEBENTURES
USE BONDS

DEBRIS
RT Alluvial deposits
Colluvium
Debris barriers
Geologic deposits
Industrial wastes

DEBRIS AVALANCHES
BT Avalanches
Earth movements
Landslides
Mass wasting
RT Solifluction

DEBRIS BARRIERS
UF Barriers (debris)
BT Barriers
Engineering structures
RT Debris barriers
Sand traps
Screens
Settling basins
Spillways

DEBRIS CLEARANCE
BT Redevelopment

DEBURNING
RT Elimination

DECAY
USE DECOMPOSITION

DECAYING ORGANIC MATTER
USE DECOMPOSING ORGANIC MATTER

DECENTRALIZATION
UF Dispersion
Industrial decentralization
BT Emigrations
Location theory
Spatial location
RT Business
Industries
Population density
Urban growth

DECENTRALIZATION (INDUSTRIES)
USE INDUSTRIAL DECENTRALIZATION

DECIDUOUS FORESTS
BT Biomes
Forests
RT Deciduous trees
Forestry
Gray-brown podzolic soils
Hardwood
Mixed forests
Softwood

DECIDUOUS TREES
BT Crops
Dicots
Horticultural crops
Plants (botany)
Trees
NT Ash trees
Birch trees
Black locust trees
Cottonwoods
Hickory trees
Maple trees
Oak trees
Sycamore trees
Willow trees
RT Deciduous forests
Forestry
Hardwood
Plant groupings
Plant growth
Softwood

DECISION MAKING
RT Administration
Cost allocations
Economics
Formal logic
Management
Methodology
Planning
Policies
Programs
Psychology
Social aspects

DECOMPOSING ORGANIC MATTER
UF Decaying organic matter
BT Organic matter
NT Humus
RT Organic wastes
Water pollution sources

DECOMPOSITION
RT Solubility
Stability

DECONTAMINATING AGENTS
USE DECONTAMINATION

DECONTAMINATION
NT Radiation decontamination
RT Clarification
Cleaning
Contamination
Deasphalting
Decontamination kits
Deodorizing
Dewaxing
Disposal
Dissipation
Dust control
Elimination
Exhausting
Girbotol process
Odor control
Pollution
Purging
Purification
Purity
Rinsing
Separation
Sterilization
Washing

DECONTAMINATION (WATER)
USE WATER POLLUTION TREATMENT

DEED RESTRICTIONS
UF Protective covenants
Race restrictive housing covenants
Real covenants
Restrictive covenants
RT Minority groups - housing
Real property

DEEDS
UF Abstracts of title
Covenants, protective
Covenants, restrictive
Protective covenants
Race restrictive housing covenants
Real covenants
Restrictive covenants
RT Land titles

DEEP CULTIVATION
USE DEEP TILLAGE

DEEP PERCOLATION
RT Demand (irrigation systems)

DEEP WATER
RT Shallow water

DEER
BT Animals
Artiodactyla
Big game
Eutheria
Mammals
Ruminants
Ungulata
Vertebrates
Wildlife

DEFENSE HOUSING
UF Military housing
BT Federal housing programs
Housing

DEFERRED GRAZING
USE GRAZING

DEFLATION (ECONOMICS)
BT Economic conditions

DEFOLIATION
RT Elimination
Leaves
Phenology

DEFORMATION
RT Land subsidence
Soil consolidation tests
Structural behavior

DEGAUSSING
RT Elimination

DEGHETTOIZATION
BT Spatial relations

DEGRADATION
NT Biodegradation
Degradation (decomposition)
RT Preservation
Scale
Storage
Weathering

DEGRADATION (DECOMPOSITION)
BT Decomposition
Degradation
NT Biodegradation
Sludge digestion
RT Humus
Persistence
Sludge disposal
Stability

DEGRADATION (WIND)
USE WIND EROSION

DEHYDRATION
RT Water of hydration

DEICING
RT Elimination

DELTA RAYS
USE IONIZING RADIATION

DELTA SITES
BT Sites

DELTAS
BT Land forms
RT Alluvial channels
Alluvial deposits
Alluvial streams
Alluvium
Bayous
Bed load
Coasts
Degradation (stream)
Deposition
Flood plains
Fluvial morphology
Geomorphology
Regions
Rivers
Sedimentation
Sediment deposits
Sedimentology
Sediments
Shores
Soil types
Swamps
Tidal marshes

DEMAGNETIZATION
RT Elimination

DEMAND
UF Consumer demand
NT Electric power demand
Recreation demand
Water demand
RT Land appraisal

DEMAND (IRRIGATION SYSTEMS)
RT Consumptive use (water)
Crops
Deep percolation
Effective precipitation
Irrigation
Irrigation efficiency
Irrigation practices
Sprinkler irrigation
Subsurface irrigation
Surface irrigation
Water consumption
Water loss
Water management (applied)
Water requirements
Water utilization

DEMAND SCHEDULE (RECREATION)
USE RECREATION DEMAND

DEMINERALIZATION
UF Conversion (saline water)
Conversion (salt water)
Conversion (sea water)
BT Separation techniques
Water treatment
NT Desalination
RT Potable water
Purification
Salt removal
Waste heat
Water costs
Water softening

DEMOGRAPHIC SURVEYS
BT Surveys
RT Biological surveys
Economic surveys
Sociopsychological surveys

DEMOGRAPHY
BT Geography
People
NT Density of population
Emigrations
Family life
(Continued)

DEMOGRAPHY (Continued)
NT Growth of population
Human demography
Migrations
Overpopulation
Population changes
Population densities
Population distribution
Population drains
Population equilibrium
Population estimates
Population explosion
Population forecasts
Population growth
Population mobility
Population movements
Population pressures
Population projection
Population shifts
RT Birth control
Mortality
Population migration
Vital statistics

DEMONSTRATION CITIES
USE MODEL CITIES

DEMONSTRATION FARMING
BT Farming

DEMONSTRATION FARMS
BT Farms
RT Land settlement

DEMONSTRATION WATERSHEDS
UF Experimental watersheds
BT Watersheds (basins)

DEMOUNTABLE HOUSES
UF Houses, demountable
Houses, Portable
Portable houses
Relocatable houses
BT Housing
Temporary housing

DENDROCHRONOLOGY
UF Tree rings
Trees (plants)
BT Dating
RT Age
Climatology
Ecology
(Continued)

DENDROCHRONOLOGY (Continued)
RT Forests
Growth rates
Paleoclimatology
Plant growth
Quaternary period
Trees
Xylem

DENITRIFICATION
BT Chemical reactions
Treatment
Waste treatment

DENSITY
UF Population density
NT High density living
Housing densities
Industrial density
Residential density
RT Mass
Spatial analysis

DENSITY
BT Physical properties
NT Bulk density
Critical density
Dry density
Field density
In place density
Relative density
Rock density
Soil density
RT Turbidity

DENSITY-FLOW
RT Stratified flow

DENSITY (MASS/VOLUME)
UF API gravity
Relative density
Sea water density
Specific gravity
Specific volume
Specific weight
Volume weight
NT Atmospheric density
Soil density

DENSITY OF POPULATION
BT Demography
Population

DENSITY PROBES (SOIL)
USE SOIL DENSITY PROBES

DENUDATION
RT Badlands
Block faulting
Erosion
Relict land forms
Scour
Sediment transport
Weathering

DENUDATION CHRONOLOGY
RT Erosion

DEODORIZING
BT Odor control
RT Odors

DEPARTMENT STORES
USE COMMERCIAL BUILDINGS

DEPLETION
NT Ground water depletion
RT Depreciation
Elimination
Ground water mining
Safe yield

DEPOPULATION
BT Demography
Population

DEPOSITION (PESTICIDES)
USE PESTICIDE RESIDUES

DEPOSITION (SEDIMENTS)
BT Sedimentation
RT Aggradation
Alluvial fans
Beaches
Dunes
Flood plains
Glacial drift
Sediment concentration
Sediment transport
Till

DEPOSITS (AEOLIAN)
USE AEOLIAN SOILS

DEPOSITS (ALLUVIAL)
USE ALLUVIAL DEPOSITS

DEPOSITS (FLUVIAL)
USE ALLUVIUM

DEPOSITS (GLACIAL)
USE GLACIAL DEPOSITS

DEPOSITS (LACUSTRINE)
USE LACUSTRINE DEPOSITS

DEPOSITS (TERRACE)
USE TERRACE DEPOSITS

DEPOTS (TERMINAL FACILITIES)
USE TERMINAL FACILITIES

DEPOTS (TERMINAL FACILITIES)
USE TERMINAL FACILITIES

DEPRECIATION
NT Real estate depreciation
RT Depletion
Costs
Durability
Obsolescence
Reduction
Regulators
Shrinkage
Value

DEPRECIATION AND OBSOLESCENCE (BUILDINGS)
UF Houses-depreciation
Obsolescence (buildings)
Remodeling (buildings)
BT Buildings
NT Real estate depreciation
RT Filtering down process

DEPRESSED AREAS
RT Developments
Urban areas
Urban development

DEPRESSED AREAS (GEOGRAPHIC)
UF Economically depressed areas
Poverty areas
Poverty pockets
NT Slums
RT Economic disadvantagement
Low income counties
Socioeconomic status

DEPRESSED FREEWAYS
BT Highways

DEPRESSION STORAGE
RT Surface storage

DEPRIVATION
NT Water deprivation

DEPTH
RT Precipitation rate
Water equivalent

DEPTH-AREA-DURATION ANALYSIS
BT Analytical techniques
RT Distribution patterns
Hydrologic data
Rainfall
Rainfall-runoff relationships
Runoff
Storms
Synoptic analysis

DEPTH SOUNDING
RT Atmospheric sounding
Hydrographic surveys

DERRICKS
UF Hoisting machinery
Jackknife derricks
Jackknife masts
Pole derricks

DESALINATION
UF Saline water conversion
Salt extraction
Sea water conversion
Water desalting
BT Demineralization
Separation techniques
Water treatment
RT Desalination plants
Desalination processes
Evaporation
Liquid wastes
Potable water
Purification
Saline water
Saline water systems
Salinity
Salt removal
Vaporization
(Continued)

DESALINATION (Continued)
RT Waste disposal
Waste heat
Waste treatment plants
Water costs
Water softening

DESALINATION PLANTS
RT Buildings
Desalination
Dual-purpose nuclear plants
Evaporation reservoirs
Facilities
Industrial plants
Nuclear power plants
Nuclear reactors
Pilot plants
Treatment facilities
Water supply
Water supply systems

DESALINATION PROCESSES
RT Desalination
Dialysis
Electrodialysis
Ion exchange
Ion transport
Nuclear powerplants

DESCALING
RT Elimination

DESERT ANIMALS
RT Deserts
Domestic animals
Xerophiles

DESERT BIOME
BT Biomes
NT Vegetation types
RT Ecology
Lower sonoran life zone
Savanna
Upper sonoran life zone

DESERT GRASSLANDS
RT Lower sonoran life zone

DESERT LAND ACT
RT Legislation
Public land
Severance
Unappropriated water

DESERT PLANTS
BT Plants (botany)
NT Cacti
Seepwillow
RT Sagebrush

DESERT SOILS
UF Sierozems
BT Soil types
NT Aridisols
Brown gobi soils
Desert pavement
Desert varnish
Entisols
Gobi soils
Sierozems
Solonchaks
Solonetz
Takyrs
Vertisols
RT Calcareous soils
Caliche
Crusts
Eolian soils
Hardpans
Saline soils
Sands
Seventh approximation
Sodium-affected soils

DESERT TESTS
BT Environmental tests

DESERT VARNISH
BT Crusts

DESERTS
BT Biomes
Geography
Land
NT Sand deserts
RT Playas
Desert animals

DESIGN
NT Bridge design
Building design
Canal design
Channel design
Dam design
Electrical design
Hydraulic design
Irrigation design
(Continued)

DESIGN (Continued)
NT Network design
Optimum design
Reservoir design
Road design
Seismic design
Structural design
Tunnel design
RT Engineering
Engineering services
Public works
Reliability
Safety factors
structural engineering
Technology

DESIGN CRITERIA
RT Criteria

DESIGN EARTHQUAKE
BT Earthquakes

DESIGN FLOOD
RT Regional flood

DESIGN FLOW
RT Hydraulic design

DESIGN INDUSTRIAL
UF Industrial design
BT Industry
RT Mechanical drawing

DESILTING
BT Separation techniques
RT Channel improvements
Desilting method
Desilting works
Dredging
Flocculation
Reservoir silting
Sedimentation
Sedimentation tanks
Sediment control
Separation
Settling basins
Silting
Suspension

DESILTING METHOD
RT Channel improvements
Desilting
Desilting works
(Continued)

DESILTING METHOD (Continued)
RT Dredging
Sediment control
Separation

DESILTING WORKS
RT Desilting
Desilting method
Settling basins

DESLIMERS
USE WET CLASSIFIERS

DESORPTION
RT Sorption

DESTRUCTION OF PROPERTY
USE VANDALISM

DESULFURIZATION
BT Chemical reactions

DETECTION
NT Exhaust detection
RT Exploration

DETECTORS
NT Sensors
Temperature sensors
RT Safety
Seismographs

DETENTION
USE STORAGE

DETENTION RESERVOIRS
UF Reservoirs
BT Lakes

DETERGENTS
UF Synthetic detergents
BT Chemicals
RT Soaps
Water pollution sources

DETRITAL SOILS
BT Earth materials
RT Soil formation

DEVELOPED WATERS
UF Artificial flow
BT Water types
Watercourses (legal)

DEVELOPING
USE DEVELOPMENT

DEVELOPING AREAS
RT Industrialization

DEVELOPMENT
UF Developing
NT Industrial development
Built up land
Commercial development
Development plan
Functional consolidations
Lots
Strip development
Urban development
RT Housing developments
Industrial growth

DEVELOPMENT AREAS
BT Developments
RT Planning

DEVELOPMENT CORPORATIONS
UF Nonprofit housing organizations
RT Urban development
Urban renewal

DEVELOPMENT FARMS
UF Farms (development)
BT Farms
RT Land settlement

DEVELOPMENT PLAN
UF Master plan
BT Development

DEVELOPMENT POTENTIAL
RT Land use analysis
Planning analysis
Urban analysis

DEVELOPMENT RIGHTS
RT Land use controls
Open space

DEVELOPMENT VALUE
RT Urban renewal

DEVELOPMENTS
NT Development areas
Functional consolidations
Housing developments
(Continued)

DEVELOPMENTS (Continued)
NT Industrial development
Low density development
Renewal areas
Residential goals in urban development
Tracts
Underdeveloped lands
Urban developments
Urban land use
Urban qualitative development
Urban quanitative growth
RT Community development
Depressed areas
Regional planning
Urban economic development goals
Urban growth

DEVONIAN PERIOD
BT Paleozoic era

DEW
BT Condensation
RT Dew point

DEW POINT
RT Air temperature
Climatology
Dew
Hot winds
Humidity

DEWATERING
UF Unwatering

DIAGRAMS
NT Arrow diagrams
Block diagram
Phase diagrams
RT Plans

DIALYSIS
BT Membrane process
Separation techniques
NT Electrodialysis
RT Desalination processes

DIAMOND INTERCHANGES
BT Highways

DIAPAUSE
RT Life cycles

DIATOMACEOUS EARTH
UF Earth (diatomaceous)
BT Earth materials
Materials
Soils

DIAZINON
BT Insecticides

DICOTS
BT Plants (botany)
NT Alfalfa
Ash trees
Birch trees
Black locusts trees
Brush
Cacti
Chaparral
Citrus fruits
Cottonwoods
Deciduous trees
Forage legumes
Hickory trees
Legumes
Maple trees
Oak trees
Rabbitbush
Sagebrush
Shrubs
Stone fruits
Sycamore trees
Willow trees
RT Water hyacinth

DIELDRIN
BT Chlorine organic compounds
Chlorohydrocarbons
Halohydrocarbons
Insecticides
Naphthalene compounds

DIESEL ENGINES
UF Engines (diesel)
BT Internal combustion engines

DIESEL FUEL
USE FUEL OIL

DIFFERENTIAL EQUATIONS
RT Boundary values

DIFFUSED SURFACE WATER
USE SURFACE RUNOFF

DIFFUSERS
NT Exhaust diffusers

DIFFUSION
UF Molecular diffusion
BT Chemical properties
Transport phenomena
NT Osmosis
Reverse osmosis
RT Atmospheric scattering
Energy dissipation
Energy transfer
Evaporation
Ground water movement
Innovation
Percolation
Salt velocity method
Separation techniques
Soil moisture
Soil water movement
Spraying

DIFFUSIVITY
RT Reservoir engineering

DIGESTION
UF Ingestion (biological)
NT Sludge digestion
RT Water requirements

DIGESTION (SLUDGE)
USE SLUDGE DIGESTION

DIKES
BT Embankments
RT Barriers
Check structures
Dams
Earth dams
Earth fills
Earth handling equipment
Earthworks
Fills
Igneous rocks
Irrigation systems
Retaining walls

DILUTION
NT Waste dilution
RT Purity
Sewage treatment plants
Smoke abatement
Water pollution

DILUTION (WASTES)
USE WASTE DILUTION

DIMENSIONAL TOLERANCES
USE TOLERANCES (MECHANICS)

DIMENSIONS
BT Physical properties
RT Drainage density
Lake morphometry
Mass
Size

DIOXIDES
BT Oxides
NT Carbon dioxide
Cristobalite
Nitrogen dioxide
Opal
Quartz
Silicon dioxide
Sulfur dioxide
Thorium dioxide
Titanium dioxide

DIPPING
RT Liquids

DIPTERA
UF Chaoborus
Chironomids
BT Animals
Insects
Invertebrates
NT Mosquitoes

DIRECT LOANS FOR HOUSING
BT Loans
RT Federal housing programs
Finance
Mortgage finance
State aided housing programs
U.S. Federal Home Loan Bank Board

DIRECT POWER GENERATORS
UF Nonrotating generators
BT Electric generators
NT Fossil fuel thermionic converters
Fuel cells
Thermionic converters

DIRECT RUNOFF
USE STORM RUNOFF

DIRECT STATE LOANS FOR HOUSING
UF Housing - state programs
BT Loans
RT Finance
Public housing
State aided housing programs

DIRIGIBLES
USE AIRSHIPS

DISABLED
RT Housing for the handicapped

DISASTER SERVICES
RT Emergency housing
Fire protection
Flood relief
Insurance

DISASTERS
RT Accidents
Avalanches
Earthquakes
Failure
Fire protection
Floods
Landslides
Safety
Storms
Tropical cyclones
Tunnel failure

DISCHARGE COEFFICIENTS
BT Coefficients
RT Bellmouths
Darcy-Weisbach equation
Discharge (water)
Flow duration curves
Hydraulics
Kutter formula
Mannings equation
Reynolds number
Stage-discharge relations

DISCHARGE (ELECTRIC)
USE ELECTRIC DISCHARGES

DISCHARGE LINES
RT Dams
Discharge (water)
Manifolds
Outlet works
Penstocks
Pipelines
Pipes
Trifurcations
Tunnels
Water tunnels (conveyance)

DISCHARGE MEASUREMENT
BT Measurement

DISCHARGE (SEDIMENT)
USE SEDIMENT DISCHARGE

DISCHARGE (WATER)
UF Release
Water release
NT Peak discharge
RT Discharge lines
Effervescence
Effluents
Flood routing
Flow augmentation
Flow duration
Flow duration curves
Flow measurement
Flow rates
Float wells
Ground water movement
Inflow
Kutter formula
Meanders
Outlets
Rainfall-runoff relationships
Routing
Specific capacity
Spillways
Stream gages
Streamflow
Streamflow depletion
Test canals
Water balance
Water yield
Weirs

DISCRIMINATION
BT Cultural behavior
NT Rent restrictions
RT Ethnic groups
Races
Urban problems

DISEASES
NT Plant diseases
Soil born diseases
RT Environmental sanitation
Soil contamination effects
Water pollution
Water pollution effects

DISINFECTION
RT Fumigation

DISLOCATIONS (MATERIALS)
RT Geological faults

DISKS (AGRICULTURAL)
USE AGRICULTURAL MACHINERY

DISPATCHING
USE DISTRIBUTING

DISPERSION
USE DECENTRALIZATION

DISPERSIONS
UF Dispersoids
Suspensions
NT Aerosols
Biological aerosols
Colloids
Emulsion muds
Emulsions
Fod
Hydrosols
Ice Fog
Nuclear emulsions
Organosols
Photographic emulsions
Plastisols
Smog
Smoke
Sols
RT Limiting factors
Mass transfer
Mixing
Soil dispersants

DISPERSANTS
UF Agents (dispersing)
BT Chemicals
NT Soil dispersants

DISPERSOIDS
USE DISPERSIONS

DISPOSAL
NT Brine disposal
Radioactive waste disposal
Refuse disposal
Sewage disposal
Sludge disposal
Toxic water disposal
Ultimate disposal
Waste disposal
Waste dumps
Waste water disposal
RT Cesspools
Earthfill
Elimination
Environmental sanitation
Exhausting
Farm lagoons
Farm wastes
Incineration
Land fills
Litter
Recreation wastes
Removal
Septic tanks
Settling basins
Sewage lagoons
Sewers
Storage
Waste dilution
Waste disposal wells
Water pollution

DISPOSAL FIELDS
USE SOIL DISPOSAL FIELDS

DISPOSAL WELLS
BT Wells

DISSEMINATING
USE DISTRIBUTING

DISSIPATION
RT Abatement
Ai Airborne wastes
Attenuation
Damping
Deagglomeration
Decontamination
Deflocculating
Depletion
Diffusion
Dilution
Dispersing
Disposal
(Continued)

DISSIPATION (Continued)
RT Exhausting
Pollution
Purification
Waste disposal

DISSIPATION (ENERGY)
USE ENERGY DISSIPATION

DISSIPATORS (ENERGY)
USE ENERGY DISSIPATORS

DISSOLVED GASES
BT Gases
Solutes
NT Dissolved oxygen
RT Dissolved solids
Solubility

DISSOLVED OXYGEN
UF D.O.
BT Dissolved gases
Gases
Solutes

DISSOLVED SOLIDS
RT Dissolved gases
Mineral content
Salts
Solutions

DISTILLATION
UF Fractionation
BT Separation techniques
NT Atmospheric distillation
RT Petroleum refining
Purification
Vaporization
Vaporizing
Waste water treatment

DISTRESSED AREAS
RT Urban renewal

DISTRIBUTING
UF Dispatching
Disseminating
RT Allocations
Assimilation
Dispersing
Distribution costs
Distribution systems
Distribution theory
Gas distribution
(Continued)

DISTRIBUTING (Continued)
RT Inventory control
Materials handling
Military transportation
Moment distribution
Positioning
Routing
Sewage treatment
Supplying
Supply management
Transportation

DISTRIBUTION
BT Spatial relations
NT Animal distribution
Ecological distribution
Spatial distribution
Water distribution (applied)
RT Routing
Water allocation (policy)

DISTRIBUTION OF POWERS
BT Federalism

DISTRIBUTION PATTERNS
RT Average
Channel morphology
Depth-area curves
Depth-area duration analysis
Design storm
Distribution
Ecology
Environmental gradient
Flow nets
Frequency
Hydrographs
Limiting factors
Life zones
Mapping
Meteorology
Migration
Pesticide kinetics
Pollen
Population
Profiles
Rainfall disposition
Rates
Rates of application
Root distribution
Sediment distribution
Water allocation (policy)
Water distribution (applied)

DISTRIBUTION (PROPERTY)
RT Indicator species

DISTRIBUTION SYSTEMS
BT Gravity irrigation
Irrigation systems
NT Buried irrigation systems
Flood irrigation
Furrow irrigation
Surface irrigation
RT Automation
Laterals
Public works
Sprinkler irrigation
Water distribution (applied)

DISTRIBUTIVE EDUCATION
UF Retail training
BT Vocational education

DITCH GRASS
UF Ruppia maritima
BT Aquatic life
Aquatic plants
Marine plants
Monocots
Plants (botany)

DITCHES
NT Contour furrows
Furrows
Irrigation ditches
RT Bypasses
Drainage practices
Irrigation engineering
Gullies
Gully erosion
Laterals
Sublaterals
Surface irrigation
Terracing
Trenches
Unlined canals
Water conveyance
Water spreading

DIVERSIFIED SUBURBS
RT Types of suburbs

DIVERSIFIED FARMING
BT Farming

DIVERSION
BT Water management
RT Diversion loss returns
Flood control
Irrigation practices
Prior appropriation
Streamflow
Water spreading
Withdrawal

DIVERSION DAMS
BT Dams
Hydraulic structures

DIVERSION LOSS RETURNS
RT Diversion
Diversion losses
Recirculating irrigation system
Reclaimed water
Return flow
Water loss
Water reuse

DIVERSION LOSSES
BT Losses
RT Diversion loss returns

DIVERSION STRUCTURES
UF Diversions
BT Hydraulic structures
RT Erosion control

DIVERSION TUNNELS
BT Conduits
Conveyance structures
Hydraulic structures
Tunnels
Underground structures
Water tunnels (conveyances)

DIVERSION WORKS
RT Conduits
Dams
Flow control
Gates
Gravity irrigation
Valves

DIVERSIONS
USE DIVERSION STRUCTURES

D.O.
USE DISSOLVED OXYGEN

DOCKS
UF Piers (docks)
Quays
Wharves
RT Harbors
Levees

DOCUMENTATION
NT Reports
Streamflow records
Tables (data)
Technical papers
RT Climatic data
Information centers
Information retrieval
Information science
Information systems
Keywords
Libraries
Publications
Planning documentation
Records
Technical societies
Technical writing

DOCUMENTS
UF Letters (correspondence)
Literature (documents)
NT Engineering drawings

DOGS (MAMMALS)
BT Carnivora
Eutheria
Mammals
Unguiculata
Vertebrates
RT Domestic animals

DOMESTIC ANIMALS
UF Livestock
Farm animals
BT Animals
Vertebrates
NT Beef cattle
Cattle
Chicken
Dairy cattle
Livestock
Mules
Poultry
RT Camels
(Continued)

DOMESTIC ANIMALS (Continued)
RT Cats
Desert animals
Dogs (mammals)
Donkeys
Goats
Horses
Ruminants
Sheep
Swine

DOMESTIC FOWL
USE POULTRY

DOMESTIC USE
USE DOMESTIC WATER

DOMESTIC WASTES
BT Wastes
RT Appliances
Cesspools
Detergents
Domestic water
Farm wastes
Garbage dumps
Municipal wastes
Organic wastes
Plumbing
Septic tanks
Sewage
Urine
Water pollution sources

DOMESTIC WATER
UF Culinary water
Domestic use
RT Organoleptic properties
Soaps

DOMINANT ORGANISMS
BT Ecotypes

DOMINANT REGIONAL METROPOLISES
BT Regionalism

DONKEYS
BT Equines
Eutheria
Mammals
Perissodactyla
Ungulata
Vertebrates
RT Domestic animals
Livestock

DORMITORIES
UF Universities and colleges - housing
BT School housing

DOUBLE-CURVATURE ARCH DAMS
BT Dams

DOUGLAS FIR TREES
BT Coniferous trees
Conifers
Gymnosperms
Plants (botany)
Trees
RT Coniferous forests

DOWNSTREAM
RT Upstream

DOWNTIME
RT Outages

DOWNTOWN
UF Central city
BT Central business districts
Urban subdivisions
RT Street furniture

DOWNTOWN AREA
RT Commercial areas

DOWNTOWN DEVELOPMENT
BT Urban growth

DOWNTOWN DISTRICT
BT Spatial patterns

DOWNTOWN PLANNING
BT Urban planning
NT Malls

DOWNTOWN REDEVELOPMENT
BT Redevelopment

DRAFT TUBES
RT Submerged flow

DRAFTING PRACTICE
USE DRAWINGS

DRAIN FIELD
USE SOIL DISPOSAL FIELDS

DRAIN SPACING
NT Subsurface drains

DRAIN TILES
BT Building materials
Ceramic materials
Closed conduits
Conduits
Pipes

DRAINAGE
UF Draining
BT Sewerage systems
NT Furrow drainage
Mine drainage
Subsurface drainage
Superimposed drainage
Surface drainage
RT Drainage practices
Drawdown
Darcy's law
Highway engineering
Land forming
Land management
Land preparation
Land reclamation
Large watersheds
Leaching
Open drains
Paving
Peak runoff
Ponding
Plumbing
Pumping
River basins
Path of pollutants
Sand filters
Saturated soils
Seepage
Sludge treatment
Soil conservation
Soil moisture movement
Soil reclamation
Soil water movement
Subsurface drains
Tunnel construction
Unsaturated flow
Water flow
Water influx
Water logged land
Wellpoints

DRAINAGE BASINS
UF Watersheds
BT Basins
Land forms

DRAINAGE COSTS
BT Costs

DRAINAGE DENSITY
RT Dimensions
Hydrogeology
Interfluves

DRAINAGE DISTRICTS
BT Conservancy districts
Regions

DRAINAGE DIVIDES
USE WATERSHEDS (DIVIDES)

DRAINAGE EFFECTS
BT Effects

DRAINAGE ENGINEERING
BT Civil engineering
Engineering
RT Channeling

DRAINAGE LAWS
BT Water laws

DRAINAGE NETWORKS
USE DRAINAGE SYSTEMS

DRAINAGE PATTERNS
RT Interfluves

DRAINAGE PATTERNS (GEOLOGIC)
USE STREAM DRAINAGE PATTERNS

DRAINAGE PRACTICES
RT Ditches
Drainage
Water management (applied)
Water resources management

DRAINAGE PROBLEMS
RT Sewerage systems

DRAINAGE PROGRAMS
BT Programs
RT Administration

DRAINAGE SHEAR TESTS
BT Materials tests
Shear tests
Tests

DRAINAGE SYSTEMS
UF Drainage networks
RT Outlets

DRAINAGE WATER
UF Waste water (drainage)
RT Water types

DRAINAGE WELLS
UF Inverted drainage wells
BT Water wells
Wells

DRAINING
USE DRAINAGE

DRAINS
UF Gutters
BT Waterways
NT Chimney drains
Open drains
Sand drains
Storm drains
Subsurface drains
Toe drains
RT Grassed waterways
Laterals
Overflows
Sand filters
Sewers
Water collection systems
Water pipelines
Well points

DRAWBRIDGES
RT Girder bridges

DRAWDOWN
RT Aquifers
Drainage
Flood control
Ground water depletion
Ground water flow
Irrigation wells
Land subsidence
Pumping
Recharge
Reservoirs
Shallow wells
Specific capacity
Water level fluctuations
Water levels
Water management
Water table
(Continued)

DRAWDOWN (Continued)
RT Well spacing
Well yield
Wells
Withdrawal

DRAWINGS
UF Drafting practices
elevations (drawings)
Plans (drawings)
NT Blueprints
Engineering drawings
RT Charts
Diagrams
Graphic arts
Graphic methods
Records
Visual aids

DREDGING
BT Underwater excavation
RT Desilting method

DRIFT
NT Aquatic drift
Continental drift
Pesticide drift
RT Exploration
Subsurface investigations
Snowpacks
Underground openings
Wind erosion

DRIFT (AQUATIC)
USE AQUATIC DRIFT

DRIFT (LITTORAL)
USE LITTORAL DRIFT

DRIFT (PESTICIDE)
USE PESTICIDE DRIFT

DRIFT (SNOW)
USE SNOWPACKS

DRILLING
NT Core drilling
Percussion drilling
Rotary drilling
RT Exploration
Boring
Sampling
Subsurface investigations
(Continued)

DRILLING (Continued)
RT Underground
Well casings
Well regulations
Water prospecting

DRILLING FLUIDS
NT Water base muds

DRILLS
RT Well casings

DRINKING WATER
USE POTABLE WATER

DRIZZLE
BT Ground water sources

DROP INLETS
BT Water intakes
RT Storm sewers

DROPLETS
USE DROPS (FLUIDS)

DROPS (FLUIDS)
UF Droplets
NT Raindrops
RT Coalescence
Condensation
Drizzle
Exridation
Nucleation
Particle size
Surface tension
Trickle irrigation

DROPS (STRUCTURES)
BT Engineering structures
Hydraulic structures
Structures
RT Canals
Concrete structures
Hydraulic jump
Locks
Spillways
Water levels

DROUGHT INSURANCE
BT Crop insurance

DROUGHT RESISTANCE
BT Resistance
(Continued)

DROUGHT RESISTANCE (Continued)
RT Crop response
Droughts
Drought tolerance
Environmental effects
Heat resistance (biological)
Moisture stress
Physiological ecology
Plant physiology
Tolerances (plant)

DROUGHT RESISTANT PLANTS
BT Plants (botany)
RT Plant hardiness
Xerophytes

DROUGHT TOLERANCE
BT Tolerances (plant)
RT Catch crops
Crop response
Drought resistance
Droughts
Moisture stress
Physiological ecology
Plant physiology
Resistance
Water storage
Water utilization

DROUGHTS
UF Cycles (drought)
Drouth cycles
Drouths
RT Dry seasons
Moisture deficit
Precipitation deficit
Subhumid areas
Water shortage

DROUTH CYCLES
USE DROUGHTS

DROUTHS
USE DROUGHTS

DRY BEDS
BT Beds
RT Arid lands
Arroyos
Channel beds
Ephemeral streams
Lake beds
Playa lakes
River beds
Streambeds

DRY DENSITY
BT Density

DRY FARMING
UF Dry land farming
BT Agriculture
RT Fallowing
Farming
Stubble mulching

DRY FARMING (DRY LAND FARMING)
UF Dry farming

DRY SEASONS
RT Climatic zones
Droughts
Precipitation (atmospheric)
Precipitation deficit
Weather patterns

DRYING
RT Evaporation
Evapotranspiration
Food processing
Incineration
Kilns
Separation techniques
Soil shrinkage

DUAL PURPOSE
RT Multiple purpose
Multiple use

DUAL-PURPOSE NUCLEAR PLANTS
BT Electric power plants
RT Desalination plants

DUCK FOODS
USE FOOD AND COVER CROPS

DUCKS
BT Birds
Vertebrates
RT Bird types
Geese

DUCTS
RT Heating
Intakes
Intake structures
Metalwork
Outlets
Pipes

DUGOUTS
RT Farm ponds
Potholes

DUMPS
UF Junkyards
RT Pollution

DUNE SANDS
BT Earth materials
Granular materials
Materials
Sands
Soils
Soil types

DUNE SUCCESSION
BT Ecosystems
Succession

DUNES
UF Sand dunes
BT Land forms
NT Sand dunes
Ergs

DUNKING WATER
USE POTABLE WATER

DURIC RUST
BT Crusts

DURABILITY
BT Chemical properties
Mechanical properties
NT Corrosion resistance
Freeze-thaw durability
RT Aging (physical)
Erosion
Depreciation
Life expectancy
Persistence
Preservation
Reliability
Stability

DUST
NT Sawdust
RT Particles
Smoke

DUST CONTROL
RT Smoke abatement

DUST STORMS
BT Storms
RT Droughts
Dust control
Eolian soils
Loess
Soil erosion
Wind (meteorology)

DUST CONTROL
BT Control

DUSTING
BT Application methods
NT Aerial dusting
RT Fumigation

DUTY OF WATER
UF Water consumption
Water duty

DWELLINGS
USE HOUSES
RESIDENTIAL BUILDINGS

DYES
BT Chemicals

DYNAMIC LOADS
BT Loads (forces)

DYNAMIC PROPERTIES
USE DYNAMICS

DYNAMIC STRUCTURAL ANALYSIS
UF Structural dynamics
BT Structural analysis
RT Compatibility methods
Elastic analysis
Energy methods
Matrix methods
Statistically determinate structures
Statistically indeterminate structures
Static structural analysis
Strain energy methods

DYNAMIC TESTS
BT Tests
NT Seismic tests
RT Shear waves
Shock (mechanics)
Shock tests

DYNAMICS
UF Dynamic properties
BT Physics
NT Soil dynamics
RT Engineering mechanics
Kinetics
Statics

EARNINGS
USE WAGES

EARTH ATMOSPHERE
UF Earth envelope
Terrestrial atmosphere
RT Atmospheric composition
Atmospheric electricity
Earth hydrosphere
Earth planetary structure
Earth surface
Environments

EARTH BIOSPHERE
RT Earth planetary structure

EARTH CORE
UF Barysphere
BT Earth interior
RT Cores

EARTH CRUST
NT Continental masses
Earth surface
Oceanic crust

EARTH CURRENT COMMUNICATION
BT Telecommunication
RT Geoelectricity

EARTH DAMS
UF Earthfill dams
Embankment dams
Fill dams
BT Dams
Earthworks
Embankments
NT Hydraulic fill dams
RT Barriers
Barrow areas
Compaction
Concrete dams
Dam construction
Dam crests
Dam design
Dam facings
Dikes
Earthfills
Earth handling equipment
Earth materials
Earthmoving
Embankments
(Continued)

EARTH DAMS (Continued)
RT Fills
Gravel blankets
Gravity dams
Grouting
Levees
Navigation dams
Outlet works
Pore pressure
Rock fill dams
Rock fills
Seepage control
Slope stability
Soil cement
Soil investigations
Soils
Spillways
Stability analysis
Toe drains
Underseepage
Zoned embankments

EARTH (DIATOMACEOUS)
USE DIATOMACEOUS EARTH

EARTH-AIR INTERFACES
USE AIR-EARTH INTERFACES

EARTH ENVELOPE
USE EARTH ATMOSPHERE

EARTH FLOW
USE EARTH MOVEMENTS

EARTH FILLS
UF Fill (earth)
Land fill
RT Excavation

EARTH HANDLING EQUIPMENT
UF Earth moving equipment
NT Excavators
RT Excavating equipment

EARTH HANDLING EQUIPMENT
UF Graders
Power shovels
Scrapers
Steam shovels
BT Construction equipment
Equipment
RT Dikes
Earth dams
Earthfill
Earthmoving
(Continued)

EARTH HANDLING EQUIPMENT (Continued)
RT Grading (earthwork)
Land forming
Levees
Rapid excavation
Road construction
Tunnel construction

EARTH HYDROSPHERE
RT Earth atmosphere
Earth planetary structure
Hydrology
Oceans
Streams

EARTH INTERIOR
NT Earth core
Earth mantle
RT Earth planetary structure

EARTH-LINED CANALS
BT Canals
Channels
Conduits
Conveyance structures
Lined canals
RT Earth materials

EARTH LININGS
BT Linings
RT Blankets
Earth materials
Earthworks
Lined canals
Pervious blankets

EARTH LOWER MANTLE
USE EARTH MANTLE

EARTH MANTLE
UF Earth lower mantle
Earth third layer
Earth upper mantle
BT Earth interior
Earth planetary structure

EARTH MATERIALS
BT Construction materials
Materials
NT Acidic soils
Adobe
Aeolian soils
(Continued)

EARTH MATERIALS (Continued)
NT Alkaline soils
Alkali soils
Aquatic soils
Beach sands
Bentonite
Boulders
Brown soil
Calcareous soils
Caliche
Chestnut soils
Clays
Cobbles
Cohesionless soils
Cohesive soils
Colluvium
Compacted soils
Compressible soils
Detrital soils
Diatomaceous earth
Dune sands
Expansive clays
Expansive soils
Finegrained soils
Frozen soils
Glacial soils
Gravels
Gumbo
Impervious soils
Kaolin
Lacustrine deposits
Lake soils
Laterites
Loams
Loess
Loess soils
Marine clays
Mari
Mud
Organic clays
Organic silts
Organic soils
Pea gravel
Peat
Pervrious soils
Preconsolidated soils
Pumice
Quick clays
Residual soils
Rock flour
Sands
Saturated soils
Silty loams
(Continued)

EARTH MATERIALS (Continued)
NT Soils
Subsoil
Topsoil
Unconsolidated soils
Undisturbed soils
Unsaturated soils
Volcanic ash
RT Earth dams
Earth-lined canals
Earth linings
Earthmoving
Fine-textured soils
Landslides
Soil aggregates
Soil cement
Soil classifications
Soil components
Soil engineering
Soil investigations
Soil physical properties
Zoned embankments

EARTH MODELS
RT Earth planetary structure
Geodesy
Simulation

EARTH MOON TRAJECTORIES
UF Moon earth trajectories
BT Spacecraft trajectories
Trajectories

EARTH MOVEMENTS
UF Earth flow
BT Movement
NT Debris avalanches
Earthquakes
Landslides
Mass movements (geology)
Rockslides
RT Avalanches
Earthquake damage
Earthquakes
Earthquake theory
Geology
Land subsidence
Mudflows
Seismic waves
Seismology
Sliding

EARTH MOVING
USE EARTHWORK

EARTH MOVING EQUIPMENT
USE EARTH HANDLING EQUIPMENT

EARTH ORBITS
UF Geocentric orbits
BT Orbits

EARTH (PLANET)
BT Celestial bodies
Planets
RT Earth planetary structure

EARTH PLANETARY STRUCTURE
UF Lithosphere (earth)
NT Continental masses
Earth mantle
Mohorovicic discontinuity
Oceanic crust
RT Earth (planet)
Earth atmosphere)
Earth biosphere
Earth crust
Earth hydrosphere
Earth interior
Earth models
Geologic structures

EARTH PRESSURE
BT Pressure
RT Loads (forces)
Petrology
Stresses
Tunnel construction

EARTH RESISTIVITY (ELECTRICAL)
BT Electrical properties
Physical properties
Resistivity
RT Soil properties

EARTH ROTATION
BT Gyration
Rotation

EARTH SCIENCE
BT Physical sciences

EARTH SOIL
USE SOILS

**EARTH SURFACE**
BT Earth crust
RT Earth atmosphere
Ocean bottom

**EARTH TEMPERATURE**
BT Temperature
NT Ground temperature

**EARTH THIRD LAYER**
USE EARTH MANTLE

**EARTH UPPER MANTLE**
USE EARTH MANTLE

**EARTH WALL CONSTRUCTION**
UF Adobe construction
Pise de terre
Rammed earth construction
Stabilized earth

**EARTH-WATER INTERFACES**
UF Water-earth interfaces
BT Boundaries (surfaces)
Interfaces
NT Mud-water interfaces
Sediment-water interfaces
RT Boundary processes
Soil surfaces

**EARTHFILL**
BT Fills
NT Hydraulic fills
RT Compaction
Disposal
Dikes
Earth dams
Earthmoving
Earth handling equipment
Earth materials
Earthworks
Embankments
Hydraulic fill dams
Land forming
Levees
Rock fill
Waste disposal

**EARTHFILL DAMS**
USE EARTH DAMS

**EARTHMOVING**
RT Borrow areas
Construction equipment
Conveyors
Earth dams
Earthfill
Earth handling equipment
Earth materials
Earthwork
Embankments
Excavation
Excavators
Fills
Grading (earthwork)

**EARTHQUAKE DAMAGE**
RT Avalanches
Earth movements
Earthquakes
Failure
Landslides

**EARTHQUAKE ENGINEERING**
BT Engineering
RT Earthquakes
Seismic waves
Structural design

**EARTHQUAKE FOCUS**
USE EARTHQUAKES

**EARTHQUAKE LOADS**
BT Loads (forces)
RT Acceleration (physics)
Earthquakes
Lateral forces
Live loads
Seismic waves
Stress
Structural design
Structural stability
Vibration

**EARTHQUAKE RECORDERS**
USE SEISMOGRAPHS

**EARTHQUAKE RESISTANT CONSTRUCTION**
UF Proective construction
Earthquake resistant structures
BT Building construction
RT Earthquakes
Protective construction

EARTHQUAKE RESISTANT STRUCTURES
UF Earthquake resistant construction
RT Concrete construction
Steel construction

EARTHQUAKE RESISTANT STRUCTURES
BT Structures
RT Damping
Earthquakes
Structural design
Tunnel construction

EARTHQUAKE THEORY
RT Earth movements
Earthquakes
Intensity
Seismic waves

EARTHQUAKE WARNING SYSTEMS
BT Warning systems

EARTHQUAKES
BT Earth movements
RT Faults (geology)
Geological faults
Seismic design
Seismic waves
Seismographs
Seismology
Shock (mechanics)
Shock waves
Soil liquefaction
Structural geology

EARTHQUAKES
NT Design earthquake
RT Disaster
Earthquake damage
Earthquake engineering
Earthquake loads
Earthquake resistant construction
Earthquake resistant structures
Earthquake theory
Earthquake geology
Engineering geology
Geology
Intensity
Landslides
Land subsidence
Liquefaction
(Continued)

EARTHQUAKES (Continued)
RT Movement
Seismic waves
Stress
Vibration

EARTHWORK
UF Cut and fill
Earth moving
RT Canals
Construction
Embankments
Excavating equipment
Excavation
Slopes
Soil mechanics
Surveys

EARTHWORKS
NT Canal embankments
Earth dams
Embankments
Hydraulic fill dams
Levees
Rockfill dams
Terraces
Zoned embankments
RT Dikes
Earthfill
Earth linings
Earth moving
Landfills
Landscaping
Roadbanks
Terracing
Trenches
Underwater excavation

EASEMENTS
USE RIGHT OF WAY ACQUISITION

ECOLOGICAL BALANCE
USE BALANCE OF NATURE

ECOLOGICAL SUCCESSION
UF Succession (ecology)
RT Ecology
Plankton

ECOLOGICAL DISTRIBUTION
BT Distribution
RT Barriers
Ecology
Biological communities
Ecosystems
Spatial distribution

EASEMENTS
BT Property rights
NT Scenic easements
RT Condemnation
Eminent domain
Land acquisition
Land surveying
Land titles
Legal aspects
Litigation
Right-of-way

ECOLOGY
UF Natural resources
Animal ecology
Bionomics
Plant ecology
BT Geographic relationships
Spatial distribution
NT Animal ecology
Environmental gradient
Environment influences
Human ecology
Man-influence of environment
Physiological ecology
Phytogeography
Plantecology
Primary productivity
Radioecology
Secondary productivity
RT Behavior
Biology
Desert Biome
Distribution patterns
Ecological distribution
Ecological succession
Environments
Fisheries
Fish management
Food chains
Forest fires
Fruiting
Grasslands
Habitats
Highway effects
Life cycles
Life expectancy
Life history
Life history studies
Limiting factors
Limnology
Migration
(Continued)

ECOLOGY (Continued)
RT Population
Phenology
Political aspects
Post-impoundment
Predation
Productivity
Radioactivity effects
Rhizosphere
Sociology
Succession
Wildlife

ECOLOGY OF CITIES
BT Urban ecology
Urban settings

ECONOMETRIC MODELS
BT Regional economic growth

ECOMETRICS
RT Data
Economic surveys
Mathematical models

ECONOMIC ACTIVITIES
NT Business activities
Commercial activities
RT Payment

ECONOMIC ANALYSIS
UF Economic evaluations
NT Economic analysis
Park land value intersection
Retail decentralization
RT Forecasting
Forecasts
Marginal lands

ECONOMIC ASSISTANCE
USE TECHNICAL ASSISTANCE PROGRAMS

ECONOMIC ASSISTANCE, DOMESTIC
USE GRANTS-IN-AID

ECONOMIC BASE
RT Retirement towns
Military towns

ECONOMIC BASE STUDIES
UF Economic surveys
BY City planning
RT Economic conditions

ECONOMIC BASE THEORY
BT Urban theories
NT Basic activities
Basic function
Basic industries
Basic nonbasic ratio
City serving production
Commercial structure
Diversification
Diversified production
Index of basic activity
Management cities
Manufacturing cities
Manufacturing structure
Nonbasic function
Resort towns
Retail cities
Service classifications
Waterfront industries
RT Outlying industrial sites

ECONOMIC CONDITIONS
NT Deflation (economics)
Inflation
RT Economic base studies
Economic factors
Forecasting
Poverty
Reconstruction

ECONOMIC DEVELOPMENT
UF Economic growth
RT Area development
Agricultural outlook
Developing areas
Economic conditions
Economic history
Economic surveys
Economy
Geography
Gross national product
Industrialization
Industries
Rural development

ECONOMIC EVALUATIONS
USE ECONOMIC ANALYSIS

ECONOMIC FACTORS
RT Capital
Economic conditions
Forecasting
Site surveys

ECONOMIC FEASIBILITY
RT Technical feasibility
BT Feasibility

ECONOMIC FORECASTING
UF Business forecasting
BT Forecasting

ECONOMIC GEOGRAPHY
BT Geography
RT Mineral economics

ECONOMIC GEOLOGY
BT Geology
NT Mining geology
Petroleum geology
RT Petrology

ECONOMIC GROWTH
UF Economic development
BT Growth
NT Capital formation
Capital outlays
Regional economic growth
RT Urban economic growth

ECONOMIC INTELLIGENCE
BT Intelligence
NT Commercial intelligence
Industrial intelligence

ECONOMIC IMPACT
RT Condemnation value
Economics
Effects
Employment
Industrial production
Industries
Inflation
Monetary benefits
Political aspects
Prices
Recreation
Regional economics
Social impact
Third party effects

ECONOMIC LOT SIZE
RT Forecasting

ECONOMIC MOBILIZATION
RT Industrial mobilizing

ECONOMIC MODELS
UF Financial models
BT Mathematical models
Operations research

ECONOMIC PLANNING
UF Planning, economic
BT Economic policy
Planning
NT Urban economic planning
RT Central planning
Federal economy
Labor cost
Location analysis
National economy
Redistribution
Tax incentives
Time lag
Urban planning
Urban renewal

ECONOMIC PLANTS
UF Cultivated plants
Industrial plants (botany)
BT Plants (botany)
NT Aromatic plants
Beverage plants
Drug plants
Fiber plants
Food plants
Forage plants
Fruit
Grasses
Hallucinogenic plants
Honey plants
Legumes
Melons
Nuts
Oil plants
Ornamental plants
Rodenticidal plants
Rubber plants
Salad plants
Sugar producing plants
Vegetables

ECONOMIC POISONS
USE PESTICIDES

ECONOMIC POLICY
BT Economics
NT Subsidy
Economic planning
Urban economic policy
RT Industrialization

ECONOMIC PROJECTIONS
RT Simulated metropolitan models

ECONOMIC RENT
RT Renting

ECONOMIC RESEARCH
BT Research

ECONOMIC SURVEYS
UF Economic base studies
BT Surveys
RT Demographic surveys
Econometrics
Economic development
Site surveys

ECONOMICS
BT Sciences
Social sciences
NT Agricultural economics
Cost-benefit analysis
Economic policy
Federal budget
Land economics
Production economics
Regional economics
Social accounts
Urban economic communities
Urban economic development goals
Urban economy
Urban competition
RT Community development
Decision making
Economics impact
Engineering costs
Farm units
Feasibility studies
Human resources
Input-output analysis
Institutions
Land resources
Marketing
Monopoly
Political aspects
Regional development
Social aspects
Socioeconomic status
Urbanization
Valve engineering
Water demand
Water pricing
Water requirements

ECONOMICALLY DEPRESSED AREAS
USE DEPRESSED AREAS (GEOGRAPHIC)

ECOSYSTEMS
NT Climatic climax
Climax
Dune succession
Lake stages
Succession
Temporary pond stage
RT Ecological distribution
Food chains
Food pyramids
Reservoir stages
Synecology

ECOTYPES
BT Biological communities
NT Dominant organisms
RT Acclimatization
Biota
Ecology
Environmental gradient
Latitudinal studies
Niches
Population
Speciation
Speculation
Vegetation establishment

EDUCATION
UF Education factors
BT Public schools
NT Conservation education
Consumer education
Engineering education
Extension education
Outdoor education
Vocational education
RT Educational parks
Human engineering
Libraries
Psychological aspects
School districts
School (education)
School housing
Sciences
Social aspects
Sociology

EDUCATIONAL FACILITIES
RT School location

EDUCATION FACTORS
USE EDUCATION

EDUCATIONAL PARKS
RT Education
Schools (education)

EFFECTIVE PRECIPITATION
RT Demand (irrigation systems)
Precipitation excess
BT Ground water sources

EFFECTIVE TAX RATE
RT Regional economic growth

EFFECTS
NT Air pollution effects
Drainage effects
Environmental effects
Highway effects
Irrigation effects
Radioactivity effects
Soil contamination effects
Third party effects
Tidal effects
Vegetation effects
Water pollution effects
RT Economic impact
Influence charts

EFFERVESCENCE
RT Air bubbles
Air pollution
Boiling
Bubbles
Discharge (water)
Fermentation
Liquid wastes
Reclaimed water
Sanitary engineering
Smoke
Wastes
Waste water (pollution)
Waste water disposal
Water pollution sources
Water treatment plants

EFFICIENCIES
NT Irrigation efficiency
RT Electric power production
Energy losses
Farm units
Human engineering
Human resources
Optimum design

EFFLUENT REUSE
RT Sewage
Sewage treatment
Water purification
Water reuse
Water treatment

EFFLUENT STREAMS
BT Bodies of water
Land forms
Streams
RT Ground water

EFFLUENTS
NT Sewage effluents
RT Air pollution
Discharge (water)
Liquid wastes
Reclaimed water
Sanitary engineering
Sewage treatment plants
Sewage works
Smoke
Stream pollution
Waste water disposal
Waste water (pollution)
Wastes
Water pollution sources

EGGS
BT Growth stages
NT Bird eggs
Fish eggs
Insect eggs
RT Life cycles
Life expectancy
Reproduction (biology)

EKISTICS
BT Planning

ELASTIC THEORY
RT Soil mechanics

ELASTIC WAVES
BT Mechanical waves
Periodic variations
Radiation
Transport phenomena
Waves
NT Aircraft noise
Engine noise
Jet engine noise
(Continued)

ELASTIC WAVES (Continued)
NT Shock waves
Sonic boom
Sound waves
RT Shear waves
Shock waves
Soil dynamics

ELASTOMERS
NT Rubber
RT Linings

ELECTRIC ANALOGS
UF Analogy (electric)
Electric analogy
BT Analogs
RT Models

ELECTRIC ANALOGY
USE ELECTRIC ANALOGS

ELECTRIC ARCS
UF Arcs (electric)
Arc voltages
BT Electric current
Electric discharges

ELECTRIC BATTERIES
UF Batteries (storage)
Electrochemical cells
Storage batteries
NT Water activated batteries
Primary batteries
Reserve batteries
RT Electrochemical power generation

ELECTRIC BRIDGES
UF Bridges (electric)
BT Equipment
Instrumentation
Measuring instruments
NT Wheatstone bridge
RT Salt velocity method

ELECTRIC CABLES
UF Cables (electric)
NT Buried cables
Coaxial cables
Power cables
Underground cables
RT Electrical insulators
Electric wire
(Continued)

ELECTRIC CABLES (Continued)
RT Electric wiring
Oil-filled cables

ELECTRIC CONDUCTORS
UF Conductors
RT Electrical conductance
Electric corona losses
Electric current
Electric power
Electric power
Electric terminals
Electric wire
Electric wiring
Transmission lines
Underground transmission lines

ELECTRIC CORONA LOSSES
BT Losses
RT Electric conductors
Electric current

ELECTRIC CORONAS
UF Coronas (electric)
BT Electric current
Electric discharges

ELECTRIC CURRENT
UF Currents (electric)
NT Corrosion currents
Electric arcs
Electric coronas
Electric discharges
Leakage current
Lightning
RT Electrical shocking gear
Electric conductors
Electric corona losses
Electric fields
Electricity
Electric potential
Electric power
Electric shunts
Network analysis
Underground transmission lines

ELECTRIC DISCHARGES
UF Discharge (electric)
BT Electric current
NT Electric arcs
Electric coronas
Lightning
RT Leakage current

ELECTRIC FIELDS
RT Electric current
Electric potential

ELECTRIC FUSES
UF Fuses (electric)
RT Protection (electrical)

ELECTRIC GENERATORS
BT Electrical equipment
Generators
Rotating machines
NT Direct power generators
Fossil fuel thermionic converters
Fuel cells
Motor generators
Thermionic converters
RT Electrical design
Electrical engineering
Electrical power
Electric power production
Water cooling

ELECTRIC INSULATING COMPOUNDS
USE ELECTRICAL INSULATION

ELECTRIC LIGHTING
RT Exterior lighting
Residential lighting

ELECTRIC MOTORS
BT Electrical equipment
Motors
Rotating machine
NT Induction motors
RT Electrical design
Electrical engineering
Power transmission (mechanical)

ELECTRIC NETWORKS
BT Networks
RT Electrical faults
Electric power failure
Interconnected systems
Transmission (electrical)
Transmission lines
Utilities

ELECTRIC POTENTIAL
UF Voltage
NT Extra high voltage
High voltage
Ultra high voltage
RT Electric fields
Electric current
Network analysis
Underground transmission lines

ELECTRIC POWER
UF Power resources
BT Power
NT Hydroelectric power
Peak power
Standby power
RT Converters (electrical)
Electrical faults
Electrical properties
Electric conductors
Electric current
Electric generators
Electricity
Electric power demand
Electric power distribution
Electric power failure
Electric power industry
Electric powerplants
Electric power production
Electric utilities
Thermal power
Tidal energy
Underground power plants
Federal power act
Generators
Geothermal powerplants
Hydroelectric project licensing
Public utilities
Pumped storage
Public utility districts
Reservoir operation
Reservoirs
Rural electrification
Transmission (electrical)
Turbines
Utilities
Water policy
Oil-filled cables

ELECTRIC POWER COSTS
BT Costs
RT Cost analysis
Electric power production

ELECTRIC POWER DEMAND
BT Demand
RT Electric power
Electric power production
Electric power surveys
Requirements

ELECTRIC POWER DISTRIBUTION
RT Circuits
Electrical faults
Electric power
Protection (electrical)
Transmission (electrical)
Transmission lines

ELECTRIC POWER FAILURE
UF Failure (power)
Outage (power)
Power failure
BT Failure
NT Electrical faults
Short circuits
RT Electrical equipment
Electrical grounding
Electrical stability
Electric networks
Electric power
Electric power production
Outages
Transmission (electrical)

ELECTRIC POWER GENERATION
UF ELectric power production
NT Electrochemical power generation
Hydroelectric power generation
Wind power generation

ELECTRIC POWER INDUSTRY
BT Industries
RT Electric power
Electric powerplants
Nuclear powerplants
Utilities

ELECTRIC POWER LOSSES
BT Losses

ELECTRIC POWER PRODUCTION
UF Electric power generation
NT Thermal power
RT Efficiencies
Electric generators
Electricity
Electric power
Electric power costs
Electric power demand
Electric power failure
Electric power plants
Electric power rates
Electric power surveys
Electric utilities
Geothermal powerplants
Nuclear powerplants
Power
Standby power
Thermal powerplants
Tidal powerplants
Transmission (electrical)
Pumping

ELECTRIC POWER RATES
BT Rates
RT Costs
Electric power production

ELECTRIC POWER STATIONS
USE ELECTRIC POWERPLANTS

ELECTRIC POWER SURVEYS
RT Electric power demand
Electric power production
Project planning

ELECTRIC POWER TRANSMISSIONS
USE TRANSMISSION (ELECTRICAL)

ELECTRIC POWERPLANTS
UF Electric power stations
BT Industrial plants
Powerplants
NT Dual-purpose nuclear plants
Hydroelectric powerplants
Nuclear powerplants
Thermal powerplants
Tidal powerplants
RT Buildings
Electricxal design
Electrical engineering
Electricity
Electric power
(Continued)

ELECTRIC POWERPLANTS (Continued)
RT Electric power industry
Electric power production
Electric utilities
Facilities
Generators
Pumping
Rejection
Turbines
Underground powerplants

ELECTRIC PRECIPITATORS
USE ELECTROSTATIC PRECIPITATORS

ELECTRIC RAILROADS
BT Railroads
NT Subway railways
RT Electric locomotives
Elevated locomotives
Elevated railroads
Main line railroads
Monorail railways
Rapid transit railways
Street railroads

ELECTRIC REACTORS
UF Reactors (electric)
BT Electrical equipment

ELECTRIC RELAYS
BT Control equipment
Electrical equipment
Electric switches
RT Circuit breakers
Protection (electrical)

ELECTRIC SHUNTS
UF Shunts (electric)
RT Circuits
Electric current

ELECTRIC SWITCHES
BT Control equipment
Electrical equipment
NT Electric relays

ELECTRIC TERMINALS
RT Electric conductors

ELECTRIC UTILITIES
BT Public utilities
Utilities
RT Electric power
(Continued)

**ELECTRIC UTILITIES (Continued)**
RT Electric powerplants
Electric power production
Power
Rates

**ELECTRIC WAVES**
USE ELECTROMAGNETIC RADIATION

**ELECTRIC WIRE**
BT Equipment
Wire
RT Building materials
Electrical equipment
Electric cables
Electric conductors
Transmission lines

**ELECTRIC WIRING**
RT Circuits
Control
Electric cables
Electric conductors

**ELECTRICAL COMMUNICATION SYSTEMS**
USE TELECOMMUNICATION

**ELECTRICAL CONDUCTANCE**
UF Conductance (electrical)
Conduction (electric)
Conductivity (electrical)
BT Electrical properties
RT Conductivity
Electric conductors

**ELECTRICAL DESIGN**
BT Design
RT Electrical equipment
Electric generators
Electric motors
Electric powerplants
Transmission (electrical)
Transmission lines

**ELECTRICAL ENGINEERING**
UF Electrical engineers
Engineers (electrical)
BT Engineering
RT Electrical equipment
Electrical properties
(Continued)

**ELECTRICAL ENGINEERING (Continued)**
RT Electric generators
Electric motors
Electric powerplants
Transmission (electrical)
Transmission lines

**ELECTRICAL ENGINEERS**
USE ELECTRICAL ENGINEERING

**ELECTRICAL EQUIPMENT**
UF Condensers (synchronous)
Synchronous condensers
BT Equipment
NT Electrical insulators
Electrical shocking gear
Electric generators
Electric motors
Electric reactors
Electric relays
Electric switches
RT Electrical design
Electrical engineering
Electrical faults
Electricity
Electric power failure
Electric wire

**ELECTRICAL FAULTS**
UF Faults (electrical)
BT Electric power failure
Failure
NT Short circuits
RT Electrical equipment
Electrical grounding
Electrical restrikes
Electric networks
Electric power
Electric power distribution
Lightning
Protection (electrical)
Transmission (electrical)

**ELECTRICAL GROUNDING**
UF Grounding (electrical)
RT Circuits
Electric power failure
Protection (electrical)
Transformers
Transmission lines

ELECTRICAL IMPEDANCE
UF Impedance (electrical)
BT Electrical properties
RT Resistivity

ELECTRICAL INDUSTRY
BT Industries

ELECTRICAL INSULATION
UF Electric insulating compounds
BT Insulation

ELECTRICAL INSULATION TESTS
BT Tests

ELECTRICAL INSULATORS
BT Electrical equipment
RT Electric cables
Insulation
Leakage current
Protection (electrical)
Transmission (electrical)
Transmission lines

ELECTRICAL LOGGING
BT Electrical prospecting
Logging (recording)
NT Electrical well logging
RT Electrical resistance

ELECTRICAL PROPERTIES
BT Properties
NT Carrier density
Carrier mobility
Earth resistivity (electrical)
Electrical conductance
Electrical impedance
Electrical resistance
Electrical resistivity
Resistivity
RT Electrical engineering
Electricity
Electric power

ELECTRICAL PROSPECTING
BT Exploration
Geophysical prospecting
NT Electrical logging
Electrical well logging
RT Electrical resistivity
Electric potential
Geophysics

ELECTRICAL RESISTANCE
BT Electrical properties
Resistance
RT Electrical logging
Resistivity

ELECTRICAL RESISTIVITY
BT Conductivity
Electrical properties
Physical properties
RT Electrical prospecting
Electrodes
Geophysics

ELECTRICAL RESTRIKES
RT Circuit breakers
Electrical faults

ELECTRICAL SHOCKING GEAR
BT Electrical equipment
Equipment
RT Electric current

ELECTRICAL STABILITY
BT Stability
RT Electric power failure

ELECTRICAL STUDIES
RT Conductivity
Geophysics
Resistivity

ELECTRICAL UNITS
USE UNITS OF MEASUREMENT

ELECTRICAL WELL LOGGING
BT Electrical logging
Electrical prospecting
Logging (recording)
Well logging

ELECTRICITY
BT Physics
RT Electrical equipment
electrical properties
Electric current
Electric power
Electric powerplants
Electric power production
Electrodes
Energy
Utilities

ELECTROCHEMICAL CELLS
USE ELECTRIC BATTERIES

ELECTROCHEMICAL POWER GENERATION
UF Chemoelectric power generation
BT Electric power generation
RT Electric batteries
Fuel cells

ELECTRODES
RT Electricity
Electrical resistivity
Salt velocity method

ELECTRODIALYSIS
BT Dialysis
Separation
RT Desalination processes

ELECTROMAGNETIC ENERGY
USE ELECTROMAGNETIC RADIATION

ELECTROMAGNETIC INTERFERENCE
UF Interference (electromagnetic)
Statis (interference)
NT Atmospherics
Electromagnetic noise
Natural radiofrequency interference
Radiofrequency interference

ELECTROMAGNETIC NOISE
UF Impulse noise
Radiation noise
Snow (noise)
Solar noise
BT Electromagnetic interference
Electromagnetic radiation
Radiofrequency interference
NT Atmospherics

ELECTROMAGNETIC RADIATION
UF Electric waves
Electromagnetic energy
Electromagnetic waves
NT Atmospherics
Carrier waves
(Continued)

ELECTROMAGNETIC RADIATION (Continued)
NT Electromagnetic noise
Microwaves
Ultraviolet radiation

ELECTROMAGNETIC SCATTERING
RT Atmospheric scattering

ELECTROMAGNETIC SPECTRA
BT Spectra
NT Emission spectra

ELECTROMAGNETIC WAVE PROPAGATION
USE ELECTROMAGNETIC WAVE TRANSMISSION

ELECTROMAGNETIC WAVE TRANSMISSION
UF Electromagnetic wave propagation
BT Transmission
Wave propagation
NT Double sideband transmission
Ground wave propagation
Ionospheric propagation
Light transmission
Multipath transmission
Radio transmission
Single sideband transmission
Television transmission
RT Attenuation
Data transmission
Electromagnetic absorption
Heat transmission
Wave interference

ELECTROMAGNETIC WAVES
UF Electromagnetic radiation
BT Periodic variations
Radiation
Transport phenomena
Waves
NT Microwaves
Radio waves
Ultraviolet radiation
X-rays

ELECTRONIC EQUIPMENT
UF Electronic instruments
Instruments (electronic)
BT Equipment
NT Analog computers
Computers
Digital computers
Hybrid computers
(Continued)

ELECTRONIC EQUIPMENT (Continued)
NT Oscillators
Oscillographs
Oscilloscopes
RT Amplifiers
Automatic control
Control systems
Data processing
Electrical equipment
Electronics
Exciters
Flow control
Frequency analyzers
Instrumentation
Interference analyzers
Laboratory equipment
Meteorological radar
Neutron counters
Phase control
Radar equipment
Recording systems
Remote control
Remove sensing
Repeaters (communications)
Telemetry
Tellurometers
Variable resistors

ELECTRONIC COMMUNICATION SYSTEMS
USE TELECOMMUNICATION

ELECTRONIC DATA PROCESSING
USE DATA PROCESSING

ELECTRONIC INSTRUMENTS
USE ELECTRONIC EQUIPMENT

ELECTROSTATIC PRECIPITATORS
UF Cottrell precipitators
Electric precipitators
BT Separators
RT Air cleaners
Air conditioning equipment

ELEMENTS (CHEMICAL)
USE CHEMICAL ELEMENTS

ELEMENTS (TRACE)
USE TRACE ELEMENTS

ELEVATED RAILROADS
BT Railroads
Rapid transit railways
RT Electric railroads

ELEVATION
RT Altitude
Microenvironment
Mountains
Orography
Slopes
Topographic highs
Topography

ELEVATIONS (DRAWINGS)
USE DRAWINGS

ELIMINATION
RT Cancellation
Damping
Deburring
Decontamination
Deflocculating
Degassing
Deicing
Demagnetization
Depletion
Descaling
Disposal
Evacuating (transportation)
Evacuating (vacuum)
Exclusion
Exhausting
Exhaust systems
Extinguishing
Pollution
Purification
Rejection
Separation
Stopping
Waste disposal½

EMANATION
USE EMISSION

EMBANKMENT DAMS
USE EARTH DAMS

EMBANKMENTS
UF Banking earth
NT Revetments
Zoned embankments
RT Banks
Dams
Erosion control
Earth dams
Earthwork
Railroads
Roads
(Continued)

EMBANKMENTS (Continued)
RT Slopes
Rockfill dams
Self-spillway dams
Soils

EMBANKMENTS
BT Earthworks
NT Canal embankments
Dikes
Earth dams
Levees
Roadbanks
RT Banks
Dam construction
Dam design
Earthfill
Earthmoving
Grading (earthwork)
Hydraulic fill dams
Irrigation ditches

EMBAYMENTS
USE BAYS (TOPOGRAPHIC FEATURES)

EMERGENCY HOUSING
BT Housing
RT Disaster services
Mobile homes

EMERGING VEGETATION STAGE
BT Lake stages

EMIGRATION
USE MIGRATION

EMIGRATIONS
BT Demography
Migrations
Mobility
Population movements
NT Decentralization

EMINENT DOMAIN
BT Real property law
RT Easements
Land expropriation

EMINENT DOMAIN
RT Property condemnation
Right of way acquisition

EMISSION
UF Emanation

EMISSION SPECTRA
BT Electromagnetic spectra
Spectra

EMISSION SPECTROSCOPY
BT Spectroscopy

EMISSIVITY
UF Photoemissivity
BT Surface properties
Thermodynamic properties
Thermophysical properties

EMITTANCE
UF Exitance

EMPETRICHTHYS SPECIES
USE KILLIFISHES

EMPLOYEES
USE PERSONNEL

EMPLOYING
USE EMPLOYMENT

EMPLOYMENT
UF Employing
Employment management
RT Economic impact
Engineering personnel
Labor
Manpower
Occupations
Personnel
Personnel management
Scientific personnel
Social impact
Urban industry

EMPLOYMENT MANAGEMENT
USE EMPLOYMENT

ENCROACHMENT (WATER)
USE WATER INFLUX

ENDANGERED SPECIES
RT Extirpated species
Mortality
Survival
Wildlife
Wildlife management

ENDOGENETIC ROCKS
USE NONCLASTIC ROCKS

ENDOPHYTES
USE PARASITIC PLANTS

ENDRIN
BT Chemicals
Chlorinated hydrocarbon pesticides
Halogenated pesticides
Insecticides
Organic compounds
Organic pesticides
Pesticides

ENERGY
NT Heat
Kinetic energy
Nuclear energy
Strain energy
Thermal energy
Total energy
Waste heat
Wave energy
RT Electricity
Energy dissipation
Energy losses
Energy transfer
Kinetics
Solar radiation

ENERGY ABSORBERS
USE ENERGY ABSORPTION

ENERGY ABSORPTION
UF Energy absorbers
BT Absorption
NT Acoustic absorption

ENERGY BALANCE
UF Balance (energy)
RT Air-earth interfaces
Balance of nature
Energy conversion
Evaporation
Evapotranspiration
Heat
Temperature

ENERGY BUDGET
UF Bio-energetics
BT Budgets
RT Cloud cover
Energy dissipation
Evaporation
Evapotranspiration
Food chains

ENERGY CONVERSION
BT Conversion
RT Energy
Energy balance

ENERGY DISSIPATION
UF Dissipation (energy)
NT Energy losses
RT Diffusion
Energy
Energy budget
Energy dissipators
Energy equation
Energy gradient
Energy transfer
Gradients
Losses
Obstruction to flow
Ski-jump spillways

ENERGY DISSIPATORS
UF Dissipators (energy)
RT Energy dissipation

ENERGY EQUATION
UF Bernoulli equation
BT Equations
RT Energy dissipation
Flow
Gradients
Hydraulics
Velocity

ENERGY GRADIENT
BT Gradients
RT Energy dissipation
Losses
Slopes
Velocity

ENERGY LOSSES
BT Energy dissipation
Losses
RT Efficiencies
Energy
Energy transfer
Friction
Gradients
Resistance
Resistance coefficients

ENERGY TRANSFER
BT Transfer
Transport phenomena
NT Heat transfer
RT Boundary processes
Diffusion
Energy
Energy dissipation
Energy losses
Kinetic energy
Radiation

ENGINE NOISE
UF Internal combustion engine noise
BT Elastic waves
Mechanical waves
Noise (sound)
Sound waves
NT Jet engine noise

ENGINE TYPES
USE ENGINES

ENGINEERING
UF Engineers
BT Sciences
NT Agricultural engineering
Civil engineering
Drainage engineering
Earthquake engineering
Electrical engineering
Environmental engineering
Highway engineering
Hydraulic engineering
Industrial engineering
Irrigation engineering
Management engineering
Marine engineering
Materials engineering
Mechanical engineering
Mining engineering
Nuclear engineering
Sanitary engineering
Soil engineering
Structural engineering
RT Concrete technology
Design
Engineering education
Engineering personnel
Engineering services
Technology

ENGINEERING COSTS
BT Costs
RT Cost allocation
Economics
Prices

ENGINEERING DRAWINGS
UF Mechanical drawings
BT Documents
Drawings
RT Blueprints
Drafting (drawing)

ENGINEERING ECONOMY
RT Benefits
Cost analysis

ENGINEERING EDUCATION
BT Education
RT Engineering
Schools (education)
Training

ENGINEERING EVALUATION
BT Evaluation
RT Feasibility

ENGINEERING GEOLOGY
UF Geological engineering
BT Geology
RT Civil engineering
Earthquakes
Geologic investigations
Geophysical prospecting
Geophysics
Hydrogeology
Water tunnels (conveyance)

ENGINEERING MECHANICS
BT Mechanics
Physics
NT Fluid mechanics
Hydraulics
RT Dynamics
Hydraulics
Kinetics
Loads (forces)
Statics

ENGINEERING OBSOLESCENCE
BT Obsolescence
RT Value

ENGINEERING PERSONNEL
BT Personnel
Professional personnel
Technologists
RT Employment
Engineering
Engineering services
Labor
Management
Scientific personnel
Technical societies

ENGINEERING SERVICES
RT Construction
Design
Engineering
Engineering personnel

ENGINEERING STRUCTURES
BT Structures
NT Bascule bridges
Bridges (structures)
Buildings
Buttress dams
Caissons
Canneries
Check dams
Check structures
Concrete dams
Concrete structures
Cooling towers
Debris barriers
Drops (structures)
Flumes
Headworks
Highway bridges
Hydraulic structures
Intake towers
Levees
Multiple arch dams
Offshore platforms
Plunge basins
Pumping plants
Railroad bridges
Residences
Sea walls
Sluices
Thin arch dams
Trestles
Underground powerplants
Venturi flumes
Warehouses
Wasteways
Water tunnels (conveyance)
Wooden bridges
(Continued)

ENGINEERING STRUCTURES (Ctontinued)
NT Wooden trestles
RT Floodways
Harbors
Irrigation engineering
Laterals
Structural concrete

ENGINEERS
USE ENGINEERING

ENGINES
UF Engines (applications)
Engine types
Heat engines
Turbine engines
NT External combustion engines
Piston engines
Reciprocating engines
Steam engines

ENGINES (APPLICATION)
USE ENGINES

ENGINES (DIESEL)
USE DIESEL ENGINES

ENGINES (INTERNAL COMBUSTION)
USE INTERNAL COMBUSTION ENGINES

ENGINEERING CONTRACTS
USE CONTRACTS

ENGINEERING SOCIETIES
USE TECHNICAL SOCIETIES

ENGINEERING (SYSTEMS)
USE SYSTEMS ENGINEERING

ENGINEERS (CIVIL)
USE CIVIL ENGINEERING

ENGINEERS (ELECTRICAL)
USE ELECTRICAL ENGINEERING

ENGINEERS (HYDRAULIC)
USE HYDRAULIC ENGINEERING

ENGINEERS (INDUSTRIAL)
USE INDUSTRIAL ENGINEERING

ENGINEERS (MECHANICAL)
USE MECHANICAL ENGINEERING

ENGINEERS (MINING)
USE MINING ENGINEERING

ENGINEERS (SANITARY)
USE SANITARY ENGINEERING

ENGINEERS (STRUCTURAL)
USE STRUCTURAL ENGINEERING

ENTERIC BACTERIA
USE ENTEROBACTERIACEAE

ENTEROBACTERIACEAE
UF Alginobacter
Enteric bacteria
BT Bacteria
Eubacteriales
NT Aerobacter
Aerobacter aerogenes
Coliform bacteria
Eruvinia
Escherichia
Escherichia coli
Klebsiella
Paracolobactrum
Proteus
Salmonella
Salmonella paratyphi
Salmonella typhimurium
Salmonella typhosa
Serratia
Serratia marcescens
Shigella
Shigella dysenteriae
Shigella flexneri
Shigella sonnei

ENTISOLS
BT Desert soils
Soil types
RT Loams
Sands
Seventh approximation

ENTOMOLOGY
RT Ecology
Insecticides
Insects
Pest control
Pests (insects)

ENTRAINMENT
RT Injection

ENTRANCE CHANNELS
RT Intake channels

ENTRANCES (FLUID FLOW)
RT Flow patterns
Head works
Ice prevention
Ventilation

ENVELOPES
RT Boundary values

ENVIRONMENT
UF Natural resources
NT Community structure
Controlled environment
Environmental gradient
Environmental influences
Littoral
Man-influence of environment
Micro environment
Rural environment
Smog
Urban environment
RT Adaptation (physiological)
Adaptation (psychological)
Balance of nature
Climate
Weather

ENVIRONMENTS
NT Habitats
Terrestrial habitats
RT Corrosion environments
Earth atmosphere
Ecology
Environmental effects
Environmental engineering
Greenhouses
Growth chambers
Human engineering
Hydroponics

ENVIRONMENT SIMULATION
BT Simulation
RT Environmental tests

ENVIRONMENT SIMULATORS
BT Simulators

ENVIRONMENTAL EFFECTS
BT Effects
NT Highway effects
Vegetation effects
Winterkilling
RT Biology
Cloud cover
Ecology
Environments
Evaporation
Evapotranspiration
Fertilization
Growing period
Growth rates
Growth stages
Habitats
Irrigation effects
Limiting factors
Mortality
Phenology
Physiological ecology
Persistence
Plants (botany)
Radioactivity effects
Social behavior
Water injury

ENVIRONMENTAL ENGINEERING
UF Environmental requirements
BT Engineering
NT Environmental sanitation
RT Environments
Human engineering
Landfills
Plants (botany)
Psychological aspects
Safety
Shelters
Temperature
Ventilation
Waste disposal
Water pollution

ENVIRONMENTAL FACTORS
USE ENVIRONMENTAL INFLUENCES

ENVIRONMENTAL GRADIENT
BT Ecology
Gradients
RT Biological communities
Biomes
Continuum
Distribution patterns
(Continued)

ENVIRONMENTAL GRADIENT (Continued)
RT Ecotone
Ecotypes
Environment
Environmental effects
Plant communities
Succession

ENVIRONMENTAL INFLUENCES
UF Environmental factors
BT Ecology
Environment
RT Environment
Physical environment

ENVIRONMENTAL POLLUTION
BT Pollution

ENVIRONMENTAL REQUIREMENTS
USE ENVIRONMENTAL ENGINEERING

ENVIRONMENTAL SANITATION
BT Environmental engineering
RT Air pollution
Diseases
Litter
Pest control
Disposal
Sewage treatment
Wastes
Water pollution
Water purification
Waste water (pollution)

ENVIRONMENTAL SANITATIONS
BT Urban services

ENVIRONMENTAL SURVEYS
BT Surveys
RT Pollution
Site surveys

ENVIRONMENTAL TESTS
BT Materials tests
Tests
NT Artificial weathering tests
Cold weather tests
Desert tests
Field corrosion tests
Galvanic corrosion tests
High pressure tests
High temperature tests
Immersion tests (corrosion
(Continued)

ENVIRONMENTAL TESTS (Continued)
NT Low temperature tests
Salt spray tests
Tropical tests
RT Corrosion environments
Corrosion tests
Environment simulation
Field tests
Technology

ENVIRONMENTALISM
BT Urban ecology

ENVIRONMENTS
UF Ambient conditions
Humid areas
Operating conditions
Operating influence (instruments)
Reference performance (instruments)
Working conditions
NT Aerospace environment
Aquatic environment
Aquatic habitats
Deep-water habitats
Habitats
Ocean environments
Overwintering sites
Soil environment
Terrestrial habitats
Wildlife habitats
RT Air
Earth atmosphere
Ecology
Life support systems
Plants (botany)
Temperature
Psychological aspects
Social aspects

ENZYMES
RT Animal physiology

EOLIAN SOILS
BT Soil types
NT Loess
RT Desert soils
Dust storms
Sand dunes
Silts
Soil erosion
Weathering
Wind action
Wind erosion

EPHERMERAL STREAMS
BT Bodies of water
Land forms
Non-perennial streams
Running waters
Streams
Watercourses (legal)
RT Intermittent streams
Precipitation (atmospheric)
Seasons

EPHEMERALS
BT Plants (botany)
NT Summer ephemerals
Winter ephemerals
RT Annuals
Seasonal
Therophytes

EPIFUNCTIONAL TOWNS
BT Types of towns

EPIPHYTOLOGY
RT Soil-borne diseases

EQUALIZING RESERVOIRS
USE RESERVOIRS

EQUATIONS
NT Darcy-Weisbach equation
Energy equation
Kutter formula
Mannings equation
Thiems equation

EQUILIBRIUM EQUATION
USE THIEMS EQUATION

EQUILIBRIUM
RT Regime

EQUINES
BT Eutheria
Mammals
Perissodactyla
Ungulata
Vertebrates
NT Donkeys
Horses
Mules
Zebras

**EQUIPMENT**
UF Apparatus
Tools
NT Asphalt plants
Computers
Construction equipment
Current meters
Earth handling equipment
Electrical equipment
Electrical shocking gear
Electric wire
Electronic equipment
Evapotranspirameters
Excavators
Farm equipment
Flowmeters
Gages
Generators
Geodimeters
Gravimeters
Lighting equipment
Measuring instruments
Mechanical equipment
Meters
Orifice meters
Permeameters
Research equipment
Salinity meters
Seismographs
Sensors
Snow gages
Soil moisture meters
Strain gages
Temperature sensors
Test equipment
Tunneling machines
Velocity meters
Weir gages
Wellpoints
RT Automation
Cooling towers
Stream gaging station

**ERADICATION**
UF Biological controls
Brush control
Burning
Chemical controls
Mechanical controls
Weed control

**ERADICATION (PESTS)**
USE PEST CONTROL

**ERGS**
BT Dunes
NT Sand dunes
RT Barchans
Sand deserts
Sief dunes
Wind action

**EROSION**
NT Bank erosion
Beach erosion
Channel erosion
Glacial erosion
Gully erosion
Mass wasting
Piping (erosion)
Sheet erosion
Soil erosion
Solifluction
Stream erosion
Washouts
Water erosion
Wind erosion
RT Alluvial deposits
Badlands
Colluvium
Cycles-of-erosion concept
Damages
Denudation
Denudation chronology
Durability
Erosion control
Flood damage
Fluvial morphology
Geologic deposits
Ground water geology
Gullies
Hydrogeology
Impingement
Land management
Mass movements (geology)
Mesas (land forms)
Morphology
Pertubation
Plateaus
Precipitation (atmospheric)
Running waters
Sediment production
Sedimentation
Superimposed drainage
Stability
Storms
(Continued)

EROSION (Continued)
RT Test canals
Topography
Valleys
Washouts
Waves (water)
Wind action

EROSION CONTROL
BT Conservation
RT Flood control
Sand control
Stream meandering
Stream stabilization
Strip cropping
Plunge basins
Wind breaks
Wind erosion

EROSION CONTROL
BT Control
RT Bank protection
Bank stability
Check dams
Check structures
Coatings
Contour farming
Cover crops
Cutting management
Diversion structures
Embankments
Erosion
Farm management
Flash floods
Flood control
Forest management
Gabions
Land forming
Land management
Mass wasting
Piles (foundations)
Riprap
Roadbanks
Rotation
Shelterbanks
Slope protection
Slope stability
Soil conservation
Soil management
Soil stabilization
Strip cropping
Terracing
Vegetation establishment
(Continued)

EROSION CONTROL (Continued)
RT Water control
Watershed management
Windbreaks
Wind erosion
Dam facings
Gully erosion

ESCAPE OF WATER
USE FLOODS

ESTATES
NT Real property
RT Functional consolidations
Land use

ESTHETICS
USE AESTHETICS

ESTIMATES
NT Budget estimates
Cost estimates
Firm estimates
Labor estimates
Materials estimates
Order of magnitude estimates
Preliminary estimates
Study estimates
RT Forecasting
Evaluation
Reserves

ESTIMATING
RT Forecasting

ESTUARIES
BT Bodies of water
Land forms
Waterways
RT Currents (water)
Fluvial morphology
Intertidal zone
Mixing
Rivers
Saline water fish
Stratification
Streams
Tides
Water

ESTUARY HEAD TOWNS
BT Types of towns

ETHNIC AREAS
NT Chinatowns
RT Cultural accumulation

ETHNIC COMPOSITION
BT Population groups

ETHNIC GROUPS
BT People
NT Acculturation
Foreign born population
Indians
Minority groups
Negro communities
Racial groups
Segregation
RT Accommodation
Adaptation
Assimilations
Chinatowns
Cultural groups
Desegregation
Discrimination
Invasion
Minorities
Races
Succession

ETHNOGRAPHY
BT Human geography

ETHNOLOGY
RT Human geography

EUBACTERIALES
BT Bacteria
NT Coliform bacteria
Enterobacteriaceae
Salmonella

EUPHOTIC ZONE
RT Littoral

EUTHERIA
BT Mammals
Vertebrates
NT Artiodactyla
Beef cattle
Carnivora
Cats
Cattle
Dairy cattle
Deer
(Continued)

EUTHERIA (Continued)
NT Dogs (mammals)
Donkeys
Equines
Goats
Horses
Lagamorpha
Mice
Mules
Primates
Rats
Rodents
Sheep
Squirrels
Swine
Unguiculata
Ungulata
Perissodactyla

EUTROPHICATION
UF Algal blooms
Water bloom
RT Aging (biological)
Algal nutrients
Aquatic algae
Aquatic productivity
Biological properties
Dystrophy
Fish
Fishkill
Limnology
Nutrients
Oligotrophy
Oxygen
Oxygen requirements
Oxygen sag
Plankton
Population
Primary productivity
Productivity
Stagnant water
Surface waters
Trophic level
Waste assimilative capacity
Water pollution effects
Water properties
Water quality

EVALUATION
UF Appraising
Grading (classifying)
NT Engineering evaluation
Land appraisal
(Continued)

EVALUATION (Continued)
RT Acceptability
Appraisals
Assessments
Book value
Comparison
Correlation
Cost engineering
Credit
Criteria
Estimates
Estimating
Examination
Exploration
Figure of merit
Forecasting
Inspection
Job analysis
Measurement
Observation
Performance
Performance evaluation
Placement
Position (title)
Proving
Quality
Ranking
Ratings
Rejection
Reserves
Reviewing
Salary administration
Selection
Soil analysis
Value
Value engineering

EVAPORATION
BT Vaporization
Vaporizing
NT Pan evaporation
Potential evaporation
Reservoir evaporation
RT Boundary processes
Climatology
Condensation
Desalination
Diffusion
Drying
Energy balance
Energy budget
(Continued)

EVAPORATION (Continued)
RT Environmental effects
Evapotranspiration
Heating
Hydrologic cycle
Hydrometeorological station
Interception
Lagoons (ponds)
Liquid-vapor interfaces
Mass transfer
Meteoric water
Meteorology
Separation
Separation techniques
Surface waters
Water loss
Water supply forecasting
Playas
Riparian water loss
Saturation
Soil water movement
Solar radiation
Sprays
Vapor pressure
Water balance
Water budget
Water properties

EVAPORATION CONTROL
UF Evaporation prevention
Evaporation reduction
Evaporation suppression
BT Control

EVAPORATION PREVENTION
USE EVAPORATION CONTROL

EVAPORATION REDUCTION
USE EVAPORATION CONTROL

EVAPORATION RESERVOIRS
RT Desalination plants

EVAPORATION SUPPRESSION
USE EVAPORATION CONTROL

EVAPOTRANSPIRATION
NT Potential evapotranspiration
RT Climatic-vegetal relationships
Climatology
Drying
(Continued)

EVAPOTRANSPIRATION (Continued)
RT Energy balance
Energy budget
Environmental effectts
Evaporation
Evapotranspirometers
Growing period
Hydrology
Irrigation effects
Meteoric water
Meteorology
Phreatophytes
Plants (botany)
Riparian plants
Riparian vegetation
Riparian water loss
Saturated soils
Soil moisture
Soil water movement
Water application rate
Water loss
Water supply forecasting

EVAPOTRANSPIRATION CONTROL
BT Control
RT Water utilization

EVAPOTRANSPIROMETERS
B T Equipment
Instrumentation
Measuring instruments
Test equipmeny
RT Evapotranspiration

EVOLUTION
RT Climatic-vegetal relationships

EXCAVATING EQUIPMENT
RT Earth handling equipment
Earthwork

EXCAVATION
NT Explosive excavation
Hydraulic excavation
Nuclear excavation
Overexcavation
Quarrying
Rapid excavation
Rock excavation
Tunnel construction
Tunneling
Underwater excavation
RT Dam construction
(Continued)

EXCAVATION (Continued)
RT Earth fills
Earthmoving
Earthwork
Excavators
Explosions
Grading (earthwork)
Gravel pits
Harbors
Pipe laying
Pits
Road construction
Rock mechanics
Soil mechanics
Storage
Trenches
Water influx
Wellpoints

EXCAVATORS
UF Trenchers
BT Construction equipment
Earth handling equipment
Equipment
RT Earthmoving
Excavation
Mining
Tunnel construction
Tunneling
Rapid excavation
Underwater excavation

EXCESS LANDS LAW
USE FEDERAL RECLAMATION LAW

EXCESS WATER (LEGAL ASPECTS)
USE SURPLUS WATER

EXCESS WATER (SOILS)
BT Soil moisture
Soil water
Subsurface waters
Vadose water
Water
Water types
RT Precipitation excess
Runoff

EXCESS WATER (SOILS)
BT Soil water
Subsurface waters
Vadose water
Water types
RT Consumptive use
(Continued)

EXCESS WATER (SOILS) (Continued)
RT Drainage water
Gravitational water
Precipitation excess
Rain water
Runoff
Water requirements

EXCESSIVE PRECIPITATION
BT Groundwater sources
Precipitation (atmospheric)
RT Rainfall

EXCHANGEABLE SODIUM
RT Piping (erosion)

EXCRETION
NT Water excretion

EXCRETORY SYSTEMS
RT Water excretion

EXEMPTION FROM TAXATION
USE TAX INCENTIVES

EXHAUST DETECTION
BT Detection

EXHAUST DIFFUSERS
BT Diffusers
RT Exhaust systems

EXHAUST EMISSIONS
NT Exhaust gases

EXHAUST FLAMES
BT Flames

EXHAUST GASES
UF Waste gases
BT Exhaust emissions
Gases
RT Airborne wastes
Air pollution
Contaminants
Exhausting
Exhaust systems
Industrial wastes
Waste disposal
Wastes

EXHAUST HOODS
RT Exhaust systems
Ventilation

EXHAUST SYSTEMS
UF Exhausters
Exhaust valves
RT Air cleaners
Catalytic converters
Exhaust diffusers
Exhaust gases
Exhaust hoods
Exhausting
Odor control
Ventilation
Waste disposal

EXHAUST TRAILS
USE CONDENSATION TRAILS

EXHAUST VALVES
USE EXHAUST SYSTEMS

EXHAUSTERS
USE EXHAUST SYSTEMS

EXHAUSTING
RT Decontamination
Disposal
Exhaust gases
Exhaust systems
Ventilation

EXHIBITION HOUSES
USE MODEL HOUSES

EXITANCE
USE EMITTANCE

EXPANSIBLE HOUSES
UF Houses, expansible

EXPANSION
RT Expansive clays
Expansive soils
Shrinkage

EXPANSIVE CLAYS
BT Clays
Earth materials
Expansive soils
Finegrained soils
Fines
Materials
Soils
Soil types
NT Bentonite
(Continued)

EXPANSIVE CLAYS (Continued)
NT Absorption
Adsorption
Clay minerals
Expansion
Grouting
Shrinkage
Volume change

EXPANSIVE FORCES
RT Expansive soils
Explosions
Temperature

EXPANSIVE SOILS
BT Earth materials
Materials
Soils
Soil types
NT Bentonite
Expansive clays
RT Clays
Expansion
Expansive forces
Finegrained soils
Heaving
Shrinkage
Volume change

EXPENSES
USE COSTS

EXPERIMENTAL COMMUNITIES
BT City planning
Communities

EXPERIMENTAL DATA
BT Information
RT Charts
Materials tests
Shear tests
Tables (data)
Tests

EXPERIMENTAL FARMS
BT Facilities
Farms
Test facilities
RT Conservation
Crops
Forestry
Irrigation
Land management
(Continued)

EXPERIMENTAL FARMS (Continued)
RT Livestock
Research and development
Resource conservation

EXPERIMENTAL FORESTS
UF Forest gardens
BT Forests
RT Forest experiment stations

EXPERIMENTAL HOUSES
UF Houses, experimental

EXPERIMENTAL WATERSHEDS
USE DEMONSTRATION WATERSHEDS

EXPLODING METROPOLIS
BT Urban growth

EXPLORATION
UF Prospecting
NT Electrical prospecting
Geophysical prospecting
Geothermal prospecting
Gravimetric prospecting
RT Borehole cameras
Detection
Drift
Drilling
Evaluation
Field investigations
Geologic investigations
Investigations
Mapping
Maps
Mines
Mining
Oil industry
Reserves
Sampling
Seismic studies
Sites
Surveying
Surveys
Subsurface investigations
Terrain analysis
Tests
Trenches
Water prospecting
Well logging

EXPLORATIONS (SUBSURFACE)
USE SUBSURFACE INVESTIGATIONS

EXPLOSIONS
NT Nuclear explosions
Underground explosions
Underwater explosions
RT Blasts
Excavation
Expansive forces
Explosive excavation
Explosives
Fires
Rapid excavation
Nuclear excavation
Seismic studies
Seismic tests
Seismic waves
Shear waves
Shock (mechanics)
Shock tests
Shock waves
Sound pressure

EXPLOSIVE DRILLING
USE EXPLOSIVES

EXPLOSIVE EXCAVATION
BT Excavation
RT Explosions
Rapid excavation
Underground explosions

EXPLOSION DAMAGE
USE DAMAGE

EXPLOSIVES
UF Black powder
Explosive drilling
High explosives
Powder (ordnance)
NT Aluminized explosives
Ballistite
Block explosives
Dynamite
HMX
Pentolite
Plastic bonded explosives
Plastic explosives
RDX
Smokeless propellants
RT Ammonium perchlorate
Ammonium picrates
Bombs (ordnance)
(Continued)

EXPLOSIVES (Continued)
RT Burning rate
Cartidges (explosives)
Cellulose nitrate
Demolition
Detonators
Dinitrotoluence
Drilling
Explosions
Explosive charges
Fires
Guns (ordnance)
Hazardous materials
High explosive ammunition
Incendiary mixtures
Lead azides
Mine components
Mines (ordnance)
Nitroglycerin
Nuclear weapons
PETN
Picrate
Picric acid
Potassium perchlorate
Propellants
Pyrotechnics
Safety engineering
Seismic prospecting
Storage
Shaped charges
Seismic studies
Seismic tests
Tetryl
Torpedoes
Trinitrotoluene
Tunnel construction
Rapid excavation
Warheads

EXPORTS
USE FOREIGN TRADE

EXPRESS HIGHWAYS
BT Highways

EXPRESSWAYS
UF Highways
Limited access highways
BT Highways
Transportation
NT Speed change lanes

EXTENSION EDUCATION
(Instructional activities of Educational Institutions directed to clientele outside immediate student body)
UF Extension services
BT Education
NT Library extension
Rural extension
University extension
Urban extension
RT Colleges
Community development
Correspondence courses
Home study
Mobile educational services
Night schools
Rural education
Universities
Urban education

EXTENSION SERVICES
USE EXTENSION EDUCATION

EXTENSIVE FARMING
BT Farming

EXTERIOR LIGHTING
BT Illuminating
RT Electric lighting

EXTERNAL COMBUSTION ENGINES
BT Engines
NT Steam engines

EXTINGUISHERS
USE FIRE EXTINGUISHERS

EXTIRPATED SPECIES
RT Endangered species

EXTRA HIGH VOLTAGE
BT Electric potential

EXTRA URBAN
NT City county relations
Intercity relations
Interregional exchange

EXTRA WORK ORDERS
USE CONTRACT ADMINISTRATION

EXTRACTION
BT Separation
RT Salvage
Separation techniques
Sorption
Leaching

EXTRATERRESTRIAL ATMOSPHERES
RT Atmospheric composition

EXTRATERRESTRIAL BASES
RT Aerospace life support systems
Bioastronautics
Exobiology
Inflatable structures
Lunar environment
Lunar surface vehicles
Planetary environments
Space exploration
Space flight
Space stations
Survival in space

EXTRATERRESTRIAL HYDROLOGY
BT Hydrologic aspects

EXTRATERRESTRIAL RADIATION
UF Planetary radiation
Space radiation
Use of a more specific term is recommended; consult the terms listed below
Cosmic noise
Cosmic rays
Daylight
Extraterrestrial radio waves
Galactic radiation
Gegenschein
Moonlight
Radiation belts
Solar radiation
Starlight
Terrestrial radiation
Twilight
Zodiacal light

EXTRUSION COMPACTING
USE COMPACTING

FACILITIES
NT Experimental farms
Field laboratories
Fish handling facilities
Hydraulic laboratories
Laboratories
Recreation facilities
Research facilities
Test facilities
Treatment facilities
RT Desalination plants
Electric powerplants
Hospitals
Libraries
Nuclear powerplants
Playgrounds
Saw mills
Schools (education)
Thermal powerplants
Tidal powerplants
Utilities

FACTORIES
USE INDUSTRIAL PLANTS

FACTORY LAYOUT
USE PLANT LAYOUT

FACTORY LOCATION
USE PLANT LOCATION

FAILURE
NT Bridge failure
Dam failure
Electrical faults
Electric power failure
Failure (mechanics)
Foundation failure
Materials failure
Tunnel failure
RT Disasters
Earthquake damage

FAILURE (MECHANICS)
RT Failure
Dam breaches
Liquefaction
Soil liquefaction
Soil stability
Stability

FAILURE (POWER)
USE ELECTRIC POWER FAILURE

FALL
USE AUTUMN

FALL VELOCITY
USE SETTLING VELOCITY

FALLOUT
UF Atmospheric fallout
Radioactive fallout
RT Air pollution
Atmosphere
Precipitation (atmospheric)
Radioisotopes
Shielding

FALLOWING
BT Land management
Soil management
RT Arid lands
Crop production
Crop rotation
Cultivation
Dry farming
Soil moisture
Water conservation
Weed control

FALLS
USE WATERFALLS

FAMILY
BT Institutions
Social institutions
Social structure
NT Family income and expenditure
RT Socialization
Socialization process

FAMILY ALLOWANCES
USE PUBLIC ASSISTANCE

FAMILY FARMS
USE FAMILY- OPERATED FARMS

FAMILY INCOME AND EXPENDITURE
UF Low income families
Standard of living
BT Family
Income
RT Budgets
Cost and standard of living

FAMILY LIVING REQUIREMENTS
UF Consumer services

FAMILY MOBILITY
BT Mobility
RT Population shifts

FAMILY SIZE
BT Demography
RT Measurements

FANS (ALLUVIAL)
USE ALLUVIAL DEPOSITS

FANS (FLUVIAL)
USE ALLUVIAL DEPOSITS

FARM ACCIDENTS
USE ACCIDENTS

FARM ANIMALS
USE DOMESTIC ANIMALS
LIVESTOCK

FARM APPRAISAL
RT Land appraisal

FARM BUILDINGS
UF Farm houses
BT Buildings
Farm housing
NT Barns
Corn cribs
Farmhouses
Grain elevators
Greenhouses
Ice houses
Poultry houses
Sheds
Silos
Smokehouses
Stables
Swine houses
Turkey houses
RT Ranches
Shops

FARM CLASSIFICATION
USE FARM TYPES

FARM CREDIT
USE FARM MORTGAGES

Farm Crops
BT Plants (botany)
NT Citrus trees
Forage crops
Forage grasses
Vegetable crops
RT Plant residues (organic)

FARM EQUIPMENT
UF Farm machinery
BT Equipment
RT Plowing

FARM EXODUS
USE RURAL POPULATION MIGRATION

FARM FINANCE
USE AGRICULTURAL FINANCE

FARM FORESTRY
UF Farm woodlands
Woodlot management
BT Forestry
RT Tree farms

FARM GROUPS
USE RURAL ORGANIZATIONS

FARM HOUSING
UF Rural housing
RT Agricultural
Housing
Farm buildings

FARM HOUSING - DESIGNS AND PLANS
USE FARMHOUSE PLANS

FARM LABOR
USE AGRICULTURAL LABOR

FARM LAGOONS
UF Manure lagoons
RT Anaerobic bacteria
Disposal
Seepage
Setting basins
Stock ponds
Waste disposal

FARM LAND VALUES
USE LAND VALUES

FARM LIFE
USE RURAL LIFE

FARM MACHINERY
USE AGRICULTURAL MACHINERY
FARM EQUIPMENT

FARM MANAGEMENT
UF Cropping systems
Crop rotation
Farm practices
BT Management
RT Agricultural economics
Erosion control
Feed lots
Livestock
FARM MORTGAGES
UF Agricultural credit
Farm credit
Mortgages, Farm
RT Agriculture
Credit
Finance
Mortgage finance

FARM OPERATING AGREEMENTS
RT Land tenure

FARM OUTLOOK
USE AGRICULTURAL OUTLOOK

FARM OWNERSHIP
BT Land tenure

FARM POPULATION
USE RURAL POPULATION

FARM PRACTICES
USE FARM MANAGEMENT

FARM PRICES
BT Prices
RT Agriculture
Land prices

FARM PRODUCE
USE AGRICULTURAL PRODUCTS

FARM PONDS
UF Irrigation impoundments
Irrigation storage ponds
Rnach ponds
BT Bodies of water
Impoundments
Lakes
(Continued)

FARM PONDS (Continued)
BT Ponds
Reservoirs
Small watersheds
Standing waters
Stock ponds
Stock water
RT Aquatic habitats
Dugouts
Fishing
Fresh water
Irrigation
Irrigation water
Water
Water storage

FARM PRODUCE
USE AGRICULTURAL PRODUCTS

FARM TYPES
UF Farm classification
NT Cattle farms
Family-operated farms
Fur farms
Institutional farms
Large-scale farms
Livestock farms
Small-scale farms
State farms
Subsistence farms
Tree farms
Truck farms
RT Farming
Farms

FARM UNITS
BT Farms
RT Acreage
Economics
Efficiencies

FARM VALUES
RT Land values

FARM WAGES
USE AGRICULTURAL WAGES

FARM WASTES
UF Agricultural wastes
Livestock wastes
Manure
BT Wastes
RT Disposal
Industrial wastes
Organic wastes
Settling basins
Sludge
Urine
Waste disposal

FARM WOODLANDS
USE FARM FORESTRY

FARMERS
RT Peasantry

FARMERS MOVEMENTS
USE RURAL ORGANIZATIONS

FARMERS' ORGANIZATIONS
USE RURAL ORGANIZATIONS

FARMHOUSE PLANS
UF Farm housing-designs and plans
RT Architecture, domestic
Designs and plans
House plans

FARMHOUSES
UF Farm buildings
BT Houses
Farm buildings
RT Agriculture
Architecture

FARMING
BT Agriculture
NT Collective farming
Contract farming
Cooperative farmings
Demonstration farming
Diversified farming
Dry farming
Extensive farming
Grassland farming
Intensive farming
Mountain farming
Organic farming
Part-time farming
Share farming
RT Farm types

FARMOUT
USE LEASING

FARMS
BT Farm types
NT Demonstration farms
Development farms
Farm units
RT Irrigated land
Livestock
Pasture
Plowing
Ponds
Ranches
Rural electrification

FARMS (DEVELOPMENT)
USE DEVELOPMENT FARMS

FAMILY-OPERATED FARMS
UF Family farms
BT Farm types
NT Father-son farms
RT Small-scale farms

FARXINUS SPECIES
USE ASH TREES

FAT CLAYS
USE CLAYS

FAUCETS
USE VALVES

FAULTS (ELECTRICAL)
USE ELECTRICAL FAULTS

FAULTS (GEOLOGY)
UF Geological faults
RT Earthquakes
Fissures (geology)
Fractures
Folds (geology)
Heaving
Rift valleys

FAULTY CONSTRUCTION
USE INVESTIGATION OF HOUSE CONSTRUCTION

FAUNA
USE ANIMALS

FEASIBILITY
NT Economic feasibility
Financial feasibility
Project feasibility
Technical feasibility
RT Engineering evaluation
Feasibility studies

FEASIBILITY STUDIES
RT Civil engineering
Cost analysis
Economics
Feasibility

FEDERAL AGENCIES
BT Organizations
RT Federal reservations
Federal-state cooperation

FEDERAL AID TO CITIES
BT Federal aids
RT National government

FEDERAL AIDS
BT Finance
Grants in Aid
NT Federal aid to cities
Federal housing act
RT National government

FEDERAL AND COUNTY RELATIONS
USE INTERGOVERNMENTAL RELATIONS

FEDERAL AND MUNICIPAL RELATIONS
USE INTERGOVERNMENTAL RELATIONS

FEDERAL AND STATE RELATIONS
USE INTERGOVERNMENTAL RELATIONS

FEDERAL BUDGET
BT Economics
RT Budgeting
Federal government
National income

FEDERAL BUDGETS
BT Budgets

FEDERAL Contracts
UF Government contracts
Government purchasing
Public contracts
Renegotiation of government contracts
NT Housing research contracts

FEDERAL ECONOMY
RT Economic planning

FEDERAL GOVERNMENT
UF Government
BT Governments
RT Federal budgets
Federal-state cooperation
Legal aspects
Organizations
Social aspects

FEDERAL GOVERNMENT - RESEARCH
USE GOVERNMENTAL RESEARCH

FEDERAL GRANTS-IN-AID
USE GRANTS-IN-AID

FEDERAL HOUSING ACT
BT Federal aids

FEDERAL HOUSING PROGRAMS
UF Industrialized building
BT Federal programs
National government
NT Defense housing
Housing for the aged
RT Operation breakthrough
Relocation
Veterans' guaranteed loans
Veterans' housing

FEDERAL IMPACT AREAS
BT Road planning
RT Intergovernmental relations

FEDERAL JURISDICTION
BT Jurisdiction
Legal aspects
RT Water rights

FEDERAL LAND BANKS
UF Land banks
BT Agricultural banks

FEDERAL LANDS
USE PUBLIC LANDS

FEDERAL LENDING
BT Loans
RT Business
Small business

FEDERAL LOCAL RELATIONS
BT Intergovernmental relations

FEDERAL LOCAL STATE RELATIONS
RT Intergovernmental relations

FEDERAL POLICY
RT Urban policy

FEDERAL POWER ACT
BT Legislation
RT Electric power
Hydroelectric plants
Hydroelectric project licensing

FEDERAL PROGRAMS
NT Federal housing programs
Federal medicare programs
Federal subsidies
Food stamp legislation
Medicare
Model cities
Mortgage insurance
National housing act
Poverty programs
Social security
Urban renewal
War on poverty
RT Demonstration cities
Law enforcement assistance
Loans
Slums
Vista
Work experience

FEDERAL PROJECT POLICY
RT Cost allocation
Projects
Water policy

FEDERAL RECLAMATION LAW
UF Excess lands law
Reclamation act
Reclamation law
BT Legal aspects
Legislation

FEDERAL RESEARCH
USE GOVERNMENTAL RESEARCH

FEDERAL RESERVATIONS
UF Reserved lands
BT Public land
NT Indian reservations
Military reservations
National battlefields
National forests
National historic parks
National historic sites
National lakeshores
National memorials
National monuments
National recreation areas
National seashores
Withdrawn lands
RT Federal agencies
Reservation doctrine

FEDERAL-STATE COOPERATION
RT Cooperation
Federal agencies
Federal government
State governments

FEDERAL STATE RELATIONS
RT Intergovernmental relations

FEDERAL-STATE WATER RIGHTS CONFLICTS
BT Legal aspects
RT Jurisdiction
Water rights

FEDERAL WATER POLLUTION CONTROL ACT
BT Legislation
Water quality act
RT Water pollution

FEDERALISM
NT Distribution of powers
Intergovernmental relations
Residence requirements
RT Civil rights

FEED LOTS
BT Management
RT Agriculture
Cattle
Farm management

FEED PROCESSING
BT Processing

**FEED WATER**
BT Water
Industrial water
NT Boiler feed water
RT Condensers (liquefiers)
Demineralization
Desalination
Preheating
Water recirculation
Water treatment

**FEEDS**
RT Foods
Grains (crops)

**FERRIC COMPOUNDS**
USE IRON COMPOUNDS

**FERRITES**
BT Chemical compounds
Chemical elements
Iron compounds
Magnetic materials
Metals
RT Gyrators
Iron
Iron oxides
Microstructure
Steel

**FERROALLOYS**
USE IRON ALLOYS

**FERROUS ALLOYS**
USE IRON ALLOYS

**FERROUS COMPOUNDS**
USE IRON COMPOUNDS

**FERTILITY**
RT Nutrients
Reproduction
Soil physical properties
Soil properties

**FERTILIZATION**
RT Application methods
Crops
Environmental effects
Fisheries
Irrigation practices
Productivity

**FERTILIZER APPLICATION**
NT Aerial fertilizing
Foliar application
RT Fertilizer spreaders
Manure spreaders
Spraying

**FERTILIZERS**
BT Agricultural chemicals
NT Manures
RT Ammonium compounds
Ashes
Chemicals
Cultivation
Irrigation practices
Nitrates
Nitrogen compounds
Nutrients
Organic matter
Phosphates
Phosphorus compounds
Plant nutrition
Ureas
Water pollution sources

**FERTILIZER SPREADERS**
RT Fertilizer application

**FEUDALISM**
RT Open field systems
Peasantry

**FIBERS**
NT Natural fibers
Plant fibers
Synthetic fibers
RT Fiber plants
Suter webb testing
Textiles

**FIELD CAPACITY**
BT Moisture content
Soil moisture
Soil physical properties
RT Capillary action
Capillary water
Retention
Soil moisture

**FIELD CLASSIFICATIONS**
BT Classifications
RT Field data
Field investigations

(Continued)

FIELD CLASSIFICATION (Continued)
RT Geologic investigations
Soil classifications
Soil investigations
Visual classifications

FIELD CORROSION TESTS
BT Environmental tests

FIELD CROPS
BT Crops
Plants (botany)
NT Agronomic crops
Alfalfa
Barley
Bromegrass
Cereal crops
Corn (field)
Forage
Forage legumes
Oats
Orchardgrass
Rice
Sorghum
Wheat
Wheatgrasses

FIELD DATA
RT Field classifications

FIELD DENSITY
BT Density

FIELD INVESTIGATIONS
UF On-site investigations
BT Investigations
NT Field tests
Ponding tests
RT Exploration
Field classifications
In situ rock
Mapping
Right-of-way
Sampling
Soil investigations
Terrain analysis
Water sampling

FIELD LABORATORIES
BT Facilities

FIELD PERMEABILITY TESTS
BT Permeability tests
RT Ground water flow
Ground water management
Ponding tests

FIELD TESTS
UF On-site tests
BT Field investigations
Tests
NT In situ tests
Permeability tests
Ponding tests
RT Environmental tests
Salt velocity method
Seismic tests
Shear tests
Soil mechanics
Soil tests
Test canals

FILL (EARTH)
USE EARTH FILLS

FILL DAMS
USE EARTH DAMS

FILLERS
RT Sealants

FILLING
RT Replenishment

FILLS
NT Backfills
Earthfills
Landfills
Rock fills
Rolled fills
RT Dikes
Earth dams
Earth moving
Hydraulic fill dams
Levees
Road banks
Road construction
Road design
Rockfill dams
Zoned embankments

FILMS
RT Linings

FILTERING DOWN PROCESS
BT Urban change
RT Depreciation and obsolescence (buildings)

FILTERING SYSTEMS
    USE FILTERS

FILTERS
    UF Filtering systems
    NT Fluid filters
       Well filters
    RT Intakes
       Sand drains
       Screens
       Toe drains
       Trickle irrigation
       Well screens
       Zoned embankments

FILTERS (FLUID)
    USE FLUID FILTERS

FILTRATION
    BT Separation techniques
    NT Sand filtration
       Sewage filtration
    RT Percolation

FILTRATION (WATER)
    USE WATER FILTERS

FILTRATION GALLERIES
    USE INFILTRATION GALLERIES

FILTRATION PLANTS (SEWAGE)
    USE SEWAGE TREATMENT PLANTS

FINANCE
    UF Funding
       Funds
    NT Agricultural finance
       Banking
       Bond issues
       Federal aids
       Improved land values
       Land values
       Property improvement loan
       State finance
    RT Bond yield tables
       Mortgage
       Savings banks
       State bonds
       Veterans housing

FINANCE, MUNICIPAL
    USE MUNICIPAL FINANCE

FINANCIAL FEASIBILITY
    BT Feasibility

FINANCIAL MANAGEMENT
    UF Comptroller functions
    BT Management
    RT Capital
       Forecasting
       Planning

FINANCIAL MODELS
    USE ECONOMIC MODELS

FINANCING
    RT Capital
       Commerce
       Management
       Mortgage

FINCLIPPING
    USE MARKING TECHNIQUES

FINE AGGREGATES
    BT Aggregates
       Construction materials
    RT Concrete technology
       Fines
       Granular materials
       Sands

FINEGRAINED SOILS
    BT Earth materials
       Materials
       Soils
       Soil types
    NT Clays
       Expansive clays
       Kaolin
       Organic clays
       Organic silts
    RT Expansive soils
       Fine-textures soils
       Silts

FINENESS
    RT Purity

FINE-TEXTURED SOILS
    BT Soil types
    NT Clays
       Rock flour
    RT Earth materials
       Finegrained soils
       Fines
       Silts
       Soil texture

FINES
NT Clays
Expansive clays
Organic clays
Organic silts
Quick clays
RT Fine aggregates
Fine-textured soils
Particles
Soil components
Silts

FINISHES
RT Plating
Sealants
Surface sealing

FIR TREES
UF Abies (species unspecified)
BT Coniferous trees
Conifers
Gymnosperms
Plants (botany)
Trees
NT Balsam fir trees
Grand fir trees
Noble fir trees
Pacific silver fir trees
White fir trees
RT Coniferous forests

FIRE ALARM SYSTEMS
RT Fires

FIRE CONTROL
UF Fire fighting
NT Forest fire control
RT Fire extinguishers
Gunnery

FIRE CONTROL (FOREST)
USE FOREST FIRE CONTROL

FIRE DAMAGE
BT Damage
RT Fire departments
Fire protection

FIRE DEPARTMENTS
RT Fire damage
Fire fighting
Fire protection
Fire safety

FIRE DETECTION SYSTEMS
UF Fire detectors

FIRE DETECTORS
USE FIRE DETECTION SYSTEMS

FIRE DOORS
RT Fire protection
Fire walls

FIRE EXTINGUISHERS
UF Extinguishers
RT Fire extinguishing agents
Fires

FIRE EXTINGUISHING AGENTS
RT Fire extinguishers
Fire fighting
Fire protection
Fires

FIRE FIGHTING
UF Fire control
RT Damage control
Fire departments
Fire extinguishing agents
Fire hydrants
Fire protection
Fires
Forest fires

FIRE FIGHTING VEHICLES
RT Ground vehicles
Motor trucks
Motor vehicles
Trucks

FIRE HAZARDS
BT Hazards
RT Fire protection
Fire safety

FIRE HOSES
RT Fire hydrants

FIRE HYDRANTS
BT Hydrants
RT Fire fighting
Fire hoses
Fire protection

FIRE LOSSES
RT Fire safety

**FIRE POINT**
RT Flammability
Flash point

**FIRE PREVENTION**
UF Protective construction
Fire safety
BT Fire safety
Safety
RT Fire resistance
Fires
Forest fires
Inspection
Warning systems

**FIRE PROTECTION**
UF Fire safety
BT Fire safety
Safety
Public services
RT Disaster services
Disasters
Fire damage
Fire departments
Fire doors
Fire extinguishing agents
Fire fighting
Fire hazards
Fire hydrants
Fire pumps
Fire resistance
Fire resistant materials
Fires
Fire tests
Fire walls
Warning systems

**FIREBREAKS**
BT Forest fire control

**FIREPROOF CONSTRUCTION**
UF Protective construction
BT Construction
RT Building codes
Building construction
Protective construction

**FIREPROOF MATERIALS**
USE FIRE RESISTANT MATERIALS

**FIRE PUMPS**
BT Pumps
RT Fire protection

**FIRE RESISTANCE**
UF Fire resistance rating
RT Fire prevention
Fire protection
Fires

**FIRE RESISTANCE RATING**
USE FIRE RESISTANCE

**FIRE RESISTANT COATINGS**
UF Fire retardants
Flame retardants
BT Coatings
Fire resistant materials
Protective coatings

**FIRE RESISTANT MATERIALS**
UF Fireproof materials
NT Fire resistant coatings
Fire resistant textiles
RT Fire protection

**FIRE RESISTANT TEXTILES**
UF Metallic textiles
BT Fire resistant materials

**FIRE RETARDANTS**
USE FIRE RESISTANT COATINGS

**FIRE SAFETY**
BT Safety
NT Fire prevention
Fire protection
RT Fire departments
Fire hazards
Fire losses
Fires
Fire tests

**FIRE SCIENCE EDUCATION**
BT Technical education

**FIRE TESTS**
RT Fire protection
Fire safety

**FIRE WALLS**
BT Walls
RT Fire doors
Fire protection
Fires

FIRES
NT Firestorms
Forest fires
Mine fires
RT Accidents
Explosions
Explosives
Fire alarm systems
Fire extinguishers
Fire extinguishing agents
Fire fighting
Fire prevention
Fire protection
Fire resistance
Fire safety
Fire walls
Flames
Hazards
Safety

FIRESTORMS
BT Fires

FIRN
BT Snow
Ground water sources

FIRST ORDER SURVEYS
UF Precise surveys
BT Surveys
RT Accuracy
Data collections
Design data
Plane surveying
Topographic surveys

FISCAL PLANNING
BT Capital budgeting
RT Tax base
Tax revenues

FISCAL POLICIES
BT Policies
NT Property taxes

FISH
UF Ichthyology
BT Animals
Aquatic animals
Aquatic life
Vertebrates
Wildlife
NT Anchovies
(Continued)

FISH (Continued)
NT Bass
Codfish
Cold-water fish
Eels
Freshwater fish
Fish control agents
Fish hatcheries
Fishkill
Fish management
Haddocks
Hakes
Herrings
Killifishes
Kingfish
Lingcods
Mackerels
Saline water fish
Pan fish
Sunfishes
Salmon
Sardines
Topminnows
Tropical fish
Tunasfish
Whitings
RT Habitat improvement
Marine biology

FISH ATTRACTANTS
BT Fish control agents

FISH CONSERVATION
BT Conservation
Resource conservation
Wildlife conservation

FISH CONTROL AGENTS
NT Fish attractants
Fish repellents
Fish sterilants
Piscicides
RT Fish
Fish hatcheries
Fisheries
Fish management

FISH DISEASES
RT Fish kill

FISH EGGS
BT Eggs

FISH ENVIRONMENT
USE AQUATIC ENVIRONMENT

FISH ESTABLISHMENT
RT Creel census

FISH FARMING
UF Aquaculture
Fish-rice rotations
Fish rotations
Rice-fish rotations
Water farming
BT Aquiculture

FISHES
UF Pisces
BT Aquatic animals
Vertebrates
NT Bass
Carp
Catfishes
Chondrichthyes
Cod
Eels
Flatfishes
Fresh water fishes
Herrings
Marine fishes
Minnows
Perch
Salmon
Sharks
Shiners
Skates
Trouts
Tunas
RT Aquatic biology
Cyclostomata
Fisheries
Invertebrates
Seafood
Wildlife

FISH HANDLING FACILITIES
BT Facilities

FISH HARVEST
RT Creel census

FISH HATCHERIES
RT Fish
Fish control agents
Fisheries
Reproduction

FISH GENETICS
BT Genetics

FISHKILL
RT Anaerobic conditions
Euthrophication
Fish
Fish disease
Fish establishment
Fish parasites
Freezing
Morbidity
Mortality
Pesticide residues
Pesticide toxicity
Predation
Water pollution effects
Wildlife conservation

FISH MANAGEMENT
BT Management
RT Ecology
Fish
Fish control agents
Fisheries
Non-consumptive use
Wildlife management

FISH PASSAGES
RT Intakes

FISH POPULATIONS
BT Aquatic populations
Population
RT Creel census

FISH PRODUCTS
USE FISHERIES PRODUCTS

FISH REPELLENTS
BT Fish control agents

FISH-RICE ROTATIONS
USE FISH FARMING

FISH ROTATIONS
USE FISH FARMING

FISH STERILANTS
BT Fish control agents

FISHERIES
NT Lake fisheries
Reservoir fisheries
Stream fisheries
RT Ecology
Fertilization
Fish control agents
Fish hatcheries
Fish management

FISHERIES PRODUCTS
UF Fish products
RT Anchovies
Clams
Codfish
Crabs
Eel
Haddocks
Hakes
Herrings
King fish
Ling cods
Lobsters
Mackerels
Mussels
Prawns
Salmon
Sardines
Seafood
Shrimps
Tunafish
Whitings

FISHING
UF Angling
BT Outdoor recreation
NT Coldwater fishing
Commercial fishing
Ice fishing
Sport fishing
RT Creel census
Farm ponds

FISSION (NUCLEAR)
USE NUCLEAR REACTIONS

FISSION REACTORS
USE NUCLEAR REACTORS

FISSURED CLAYS
USE CLAYS

FISSURES (GEOLOGY)
BT Geologic structures
RT Faults (geology)
Folds (geology)
Structural geology

FIXED BOUNDARIES
USE RIGID BOUNDARIES

FIXED WING AIRCRAFT
USE AIRPLANES

FJORDS
BT Land forms
RT Coasts
Geomorphology
Glacial geology
Glaciers
Inlets (waterways)
Oceans
Regions
Sea level

FLAME RETARDANTS
USE FIRE RESISTANT COATINGS

FLAMES
NT Exhaust flames
RT Combustion
Fires
Flame photometry

FLAMMABILITY
RT Fire point

FLASH FLOODS
BT Floods
RT Erosion control
Flood control
Flood damage
Rainfall
Rainfall intensity
Sheet floods
Thunderstorms

FLASH FREEZING
BT Freezing

FLASH POINT
RT Fire point

FLAT SURFACES
RT Grading (earthwork)

FLATFISHES
BT Aquatic animals
Fishes
Marine fishes
Vertebrates

FLEXIBLE LININGS
BT Linings

FLEXIBLE PAVEMENTS
BT Pavements

FLOAT WELLS
RT Discharge (water)
Hydraulic gates
Water measurement

FLOATABLE STREAMS
USE NAVIGABLE WATERS

FLOATATION
RT Coagulation

FLOATING DEBENTURES
RT Municipal financing

FLOATING ICE
BT Ice

FLOATING PLANTS
BT Aquatic life
Aquatic plants
Plants (botany)
NT Floating weeds
Pondweeds
RT Water hyacinth

FLOATING WEEDS
BT Aquatic life
Aquatic plants
Aquatic weeds
Floating plants
Plants (botany)
Weeds
RT Water hyacinth

FLOCCULATION
BT Treatment
Waste treatment
Waste water treatment
(Continued)

FLOCCULATION (Continued)
BT Water pollution treatment
Water purification
Water treatment
RT Sewage treatment
Slurries
Soil aggregates
Solid wastes
Wastes
Water pollution
Water quality
Water quality control
Zeta potential

FLOOD CONTROL
UF Flood prevention
BT Control
RT Abatement
Channel protection
Dams
Drawdown
Erosion control
Flash floods
Floods
Flow control
Hydraulic structures
Hydrology
Land forming
Reservoir operation
Reservoirs
Riparian vegetation
River regulation
Runoff
Storm sewers
Water management
Water management (applied)
Warning systems
Water policy
Water resources management
Watersheds (basins)
Weather modifications

FLOOD DAMAGE
BT Damages
RT Erosion
Flash floods
Flooding
Flood plain insurance
Floods
Regional flood

FLOOD ESTIMATE
RT Floods
Hydrology
Precipitation (atmospheric)
Rainfall
Streamflow
Watersheds (basins)

FLOOD FORECASTING
UF Flood prediction
BT Forecasting
RT Floods
Hydrology
Precipitation (atmosphere)
Rainfall
Regional flood
River regulation
Runoff
Warning systems
Watersheds (basins)
Water supply forecasting

FLOOD FREQUENCY
RT Rainfall
Storms
Streamflow
Watersheds (basins)

FLOOD HYDROGRAPHS
BT Hydrographs
RT Floods
Hydrology
Rainfall
Runoff

FLOOD HYDROLOGY
BT Hydrology
RT Floods
Rainfall
Storms
Watersheds (basins)

FLOOD IRRIGATION
BT Distribution system
Flooding
Irrigation
Surface irrigation
RT Gravity irrigation

FLOOD PEAKS
RT Floods
Hydrology
Runoff

FLOOD PLAIN INSURANCE
BT Insurance
RT Flood damage
Flood plains
Flood protection

FLOOD PLAIN PLANNING
BT Planning

FLOOD PLAIN REGULATION
RT Flood plains
Watersheds (basins)

FLOOD PLAIN STUDIES
RT Watershed management
Watersheds (basins)

FLOOD PLAIN ZONING
BT Regulations
Zoning
RT Water zoning

FLOOD PLAINS
BT Regions
RT Alluvial deposits
Flood plain insurance
Flood plain regulation
Floods
Fluvial morphology
Geologic deposits
River flow
Rivers
Sediment production
Sedimentation
Sediment deposits
Sediments
Streams
Zoning

FLOOD PREDICTION
USE FLOOD FORECASTING

FLOOD PREVENTION
USE FLOOD CONTROL

FLOOD PROTECTION
RT Channel protection
Flood plain insurance
Floods
Warning systems

FLOOD RELIEF
RT Disaster service

FLOOD ROUTING
UF Lagmethods
Puls method
BT Routing
Water management (applied)
RT Channels
Discharge (water)
Floods
Hydrographs
Hydrology
Reservoirs
Runoff
Water resources management
Water storage

FLOOD STAGES
RT Hydrology
Watersheds (basins)

FLOOD WARNING
USE WARNING SYSTEMS

FLOOD WAVES
BT Waves
Waves (water)
RT Currents (water)
Floods

FLOODGATES
BT Gates
Hydraulic gates
RT Concrete structures
Hoisting machinery

FLOODING
UF Intentional inundation
Water flooding (oil recovery)
NT Flood irrigation
RT Bedload movement
Flood damage
Floodwater
Ground water recharge
Hydraulic mining
Injection
Oil reservoirs
Ponding
Saturation
Surface irrigation
Water spreading
Wet lands

FLOODLIGHTS
USE LIGHTING EQUIPMENT

FLOODS
UF Escape of water
Negligent inundation
NT Annual floods
Flash floods
Maximum probable flood
Regional flood
Sheet floods
RT Backwater
Dam breaches
Disasters
Flood control
Flood damage
Flood estimate
Flood forecasting
Flood hydrographs
Flood hydrology
Flood peaks
Flood plains
Flood protection
Flood routing
Flood water
Flood waves
Flood ways
Flow duration
Overtopping
Peak discharge
Peak runoff
Pertubation
Precipitation excess
Rain water
River flow
Stream flow
Stream flow forecasting
Stream flow regulations
Spillways
Storm runoff
Surface runoff
Water injury

FLOODWATER
BT Types of water
RT Flooding
Floods

FLOODWAYS
BT Channels
Waterways
RT Conveyance structures
Engineering structures
Floods
Spillways

FLOOR AREA
USE SPACE CONSIDERATIONS

FLOOR AREA RATIO
BT Land use density

FLORA
UF Plants (botany)
NT Cave flora
RT Plants (botany)
Vegetation

FLORICULTURE
USE ORNAMENTAL PLANT CULTURE

FLOTSAM
RT Littoral

FLOTATION
RT Sewage treatment plants

FLOW
BT Movement
NT Base flow
Capillary action
Channel flow
Closed conduit flow
Converging flow
Critical flow
Flow around objects
Fluid flow
Ground water flow
Ground water movement
Natural flow
Open channel flow
Orifice flow
Overland flow
Regulated flow
Return flow
River currents
River flow
Saturated flow
Sheet flow
Soil water movement
Stratified flow
Streamflow
Subsurface flow
Supercritical flow
Supersonic flow
Unsaturated flow
Unsteady flow
RT Darcys law
Energy equation
Flow augmentation
(Continued)

FLOW (Continued)
RT Flow characteristics
Flow duration
Flow measurement
Flow profiles
Flow rates
Headworks
Hydraulic design
Inflow
Kinetics
Kutter formula
Leakage
Orifices
Permeability coefficients
Piezometry
Porous media
Pumping
Regime
Salt velocity method
Seepage
Shear
Surface drainage
Turbulence
Under seepage
Water balance
Water distribution (applied)
Water falls

FLOW AROUND OBJECTS
BT Flow
Movement
RT Flow patterns
Hydraulics
Hydraulic structures
Resistance

FLOW AUGMENTATION
UF Augmentation flow
BT Flow control
Regulation
Reregulation
NT Low-flow augmentation
RT Discharge (water)
Flow
Pollution abatement
Pollution control
Pumped storage
Streamflow
Streamflow depletion
Water levels
Water management (applied)
Water quality
Water quality control

**FLOW CHARACTERISTICS**
BT Flow
Hydraulics

**FLOW CHARTS**
UF Flow diagrams
BT Charts

**FLOW CHARTING**
RT Layout

**FLOW CONTROL**
BT Control
NT Flow augmentation
Low-flow augmentation
RT Diversion works
Flood control
Headwalls
Headworks
Orifices
Spillways
Terracing
Waste dilution
Water control
Water spreading
Water surface profiles
Weirs

**FLOW DEFLECTORS**
BT Deflectors
RT Vanes

**FLOW DISTRIBUTION**
RT Branches
Fluid flow

**FLOW DURATION**
RT Discharge (water)
Floods
Flow
Fluid mechanics
River flow
Runoff
Streamflow
Time

**FLOW DURATION CURVES**
BT Curves
Geometric shapes
RT Discharge (water)
Frequency
Runoff
Streamflow
Time

**FLOW FORECASTING**
USE RUNOFF FORECASTING

**FLOW DIAGRAMS**
USE FLOW CHARTS

**FLOW MEASUREMENT**
BT Measurement
RT Discharge (water)
flow
Flowmeters
Flow profiles
Flow rates
Gages
Gaging stations
Metering
Orifice meters
Water measurement
Water tunnels (testing)
Weirs
Well yield

**FLOWMETERS**
BT Equipment
Instrumentation
Measuring instruments
Meters
Test equipment
Velocity meters
NT Mass flowmeters
Orifice meters
RT Flow measurement
Flow rates
Orifices
Permeameters
Stream gages
Stream gaging station
Water metering
Weirs

**FLOW PATTERNS**
RT Channel flow
Closed conduit flow
Critical flow
Entrances (fluid flow)
Flow around objects
Flow distribution
Fluid flow
Gradually varied flow
Ground water movement
Laminar flow
Low flow

(Continued)

FLOW PATTERNS (Continued)
RT Non-uniform flow
Open channel flow
Orifice flow
Overland flow
Percolation
Pipe flow
River flow
Rotational flow
Saturated flow
Shear flow
Sheet flow
Soil water movement
Steady flow
Stratified flow
Streamflow
Subsurface flow
Supercritical flow
Transition flow
Turbulent flow
Two-part aquifers
Uniform flow
Unsaturated flow
Unsteady flow
Viscous flow

FLOW PROFILES
BT Profiles
RT Backwater
Backwater profiles
Flow
Flow measurement
Flow rates
Hydraulics
Regime
Streamflow regulation
Streams
Tides
Water distribution (applied)

FLOW RATES
BT Rates
RT Discharge (water)
Flow
Flow around objects
Flow characteristics
Flow control
Flow duration curves
Flow measurement
Flowmeters
Flow nets
Flow profiles
(Continued)

FLOW RATES (Continued)
RT Flow resistance
Flow separation
Infiltration capacity
Infiltration rate
Moisture content
Newtonian flow
Stream gages
Translatory waves

FLOW RESISTANCE
RT Hydraulic design

FLOWERING
RT Plants (botany)
Plant tissues
Reproduction

FLUES
USE CHIMNEYS

FLUID DYNAMICS
RT Kinetics

FLUID FILTERS
UF Filters (fluid)
BT Filters
NT Sand filters
Liquid filters
Water filters
Well filters
RT Screens
Well screens

FLUID FLOW
BT Flow
Movement
NT Base flow
Compressible flow
Critical flow
Ground water flow
Liquid flow
Natural flow
Open channel flow
Orifice flow
Overland flow
Pipe flow
Regulated flow
Return flow
River flow
Streamflow
Subcritical flow
Subsonic flow
Turbulent flow
(Continued)

**FLUID FLOW** (Continued)
NT Unsteady flow
Water flow
RT Boundary conditions
Capacity reduction
Flow distribution
Mass flow
Permissible velocity
River currents
Spillways
Velocity meters

FLUID MECHANICS
BT Engineering mechanics
Mechanics
NT Hydraulics
Tunnel hydraulics
RT Boundary conditions
Flow duration
Salt velocity method
Slide gates

FLUID POWER EDUCATION
BT Physical sciences

FLUIDITY
USE VISCOSITY

FLUIDS
NT Air
Gases
Ground water
Oils
Vapors
Water
Water vapor
RT Liquids

FLUMES
BT Channels
Conduits
Conveyance structures
Engineering structures
Hydraulic structures
Open channels
Waterways
NT Venturi flumes
RT Bypasses
Headwalls
Irrigation engineering
Semicircular sections
Water conduits
Water conveyance
Weirs

FLUORIDATION
RT Public health
Water purification
Water treatment

FLUORIDES
BT Chemical compounds
Fluorine compounds
Halides
Inorganic compounds
NT Hydrogen fluoride
RT Public health

FLUORINE COMPOUNDS
BT Chemical compounds
NT Fluorides

FLUVIAL DEPOSITS
USE ALLUVIAL DEPOSITS

FLUVIAL FANS
USE ALLUVIAL DEPOSITS

FLUVIAL MORPHOLOGY
BT Morphology
NT Stream drainage patterns
RT Erosion
Estuaries
Flood plains
Meanders
River systems
Rivers
Tributaries

FLUVIAL PROCESSES
RT Cycles-of-erosion concept

FLUVIAL SOILS
USE ALLUVIUM

FLY ASH
UF Ash (fly)
RT Concrete additives
Concretes

FOG
BT Clouds
NT Supercooled fog
RT Condensation
Fog dispersion
Mist
Mixtures
Precipitation (atmospheric)
Smog
Stratus clouds

FOG-CURING
BT Curing
RT Concretes
Concrete technology

FOG DISPERSAL
RT Weather modification

FOG DISPERSION
BT Weather modification
RT Fog

FOLDS (GEOLOGY)
BT Geologic structures
RT Faults (geology)
Fissures (geology)
Fractures (geology)
Rocks

FOLIAGE
USE VEGETATION

FOLIAR APPLICATION
RT Sprays
BT Fertilizer application

FOOD ADDITIVES
BT Additives

FOOD ADULTENATION
RT Food contamination

FOOD AND COVER CROPS
UF Duck foods
BT Cover crops
Crops
Plants (botany)
RT Habitat improvement
Habitats
Wildlife management

FOOD CHAINS
RT Aquatic populations
Biological communities
Biology
Cycles
Ecosystems
Energy budget
Herbivores
Omnivores
Pesticides
Population
Productivity
Wildlife

FOOD CONSUMPTION
BT Consumption
RT Food habits
Food supply

FOOD CONSUMPTION SURVEYS
BT Consumer research
Surveys

FOOD CONTAMINATION
UF Contaminated food
NT Botulism
RT Contamination
Food adulteration
Food sanitation

FOOD HABITS
RT Food consumption

FOOD INDUSTRY
BT Agricultural industries
RT Food marketing
Food technology

FOOD MARKETING
UF Grocery trade
BT Marketing
RT Food industry
Supermarkets

FOOD POISONING
NT Botulism
Ptomainotoxism
RT Clostridium botulism
Clostridium perfringens
Food adulteration
Salmonella typhimurium
Staphylococcus
Toxic diseases
Ptomaines
BT Poisoning

FOOD PREFERENCES
BT Consumer preferences

FOOD PRESERVING
USE FOOD PROCESSING

FOOD PROCESSING
UF Food preserving
Preserving
BT Food technology
Processing
(Continued)

FOOD PROCESSING (Continued)
RT Canning
Drying
Freezing

FOOD PYRAMIDS
RT Balance of nature
Ecosystems
Productivity

FOOD SANITATION
RT Food contamination

FOOD SUPPLY
RT Food consumption
Resources

FOOD TECHNOLOGY
NT Food processing
RT Food industry

FOOD WASTE
BT Wastes

FOODS
RT Feeds
Nutrients
Vitamins

FOOTINGS
RT Influence charts
Ponding tests

FORAGE CROPS
BT Farm crops
Plants (botany)
NT Forage grasses
Forage legumes
RT Leguminous plants

FORAGES
BT Agronomic crops
Crops
Field crops
Plants (botany)
NT Alfalfa
Bromegrass
Forage grasses
Forage legumes
Orchardgrass
Range grasses
Wheatgrasses

FORAGES (Continued)
RT Grazing
Ranges
Soil management

FORAGE GRASSES
BT Grasses
Farm crops
Forage crops
Forages
Plants (botany)
NT Orchardgrass
Bromegrass
Wheatgrasses
RT Cultivated grasses
Kentucky bluegrass
Pasture

FORAGE LEGUMES
BT Agronomic crops
Crops
Dicots
Field crops
Forage crops
Forages
Horticultural crops
Legumes
Plants (botany)
NT Alfalfa
Alsike clover
Crimson clover
Ladino clover
Red clover

FORAGE PALATABILITY
RT Livestock

FORAGE PLANTS
UF Forbs
Herbage
BT Economic plants
NT Alfalfa
Burclover
Chow moellier
Clover
Comfrey
Crownvetch coronilla
Flat peas
Jackbeans
Kudzu
Lupine
Mangel-wurzel
Medic
Sainpoin
(Continued)

FORAGE PLANTS (Continued)
NT Serradella
Sulla swetvetch
Sweetclover
Trefoil
Velvetbeans
Vetch
RT Grasses

FORBS
UF Forage plants
BT Plant cover

FORCE MAINS
BT Sanitary sewers
Sewers

FOREBAY DAMS
BT Dams

FOREBAYS
RT Intakes
Pumped storage

FORECASTING
UF Forecasts
Predicting
Prediction
Projections
NT Economic forecasting
Flood forecasting
Streamflow forecasting
River forecasting
Runoff forecasting
Water supplys forecasting
Weather forecasting
RT Budgeting
Confidence limits
Control charts
Correlation
Cost control
Critical path method
Curve fitting
Economic analysis
Economic conditions
Economic factors
Economic lot size
Estimates
Estimating
Financial management
(Continued)

FORECASTING (Continued)
RT Non-structural alternatives
Reliability
Reserves
Routing
Safe yield
Sampling
Systems engineering
Trends
Water supply

FORECASTING POPULATION
USE POPULATION FORECASTING

FORECASTS
UF Forecasting
NT Urban projection
RT Economic analysis
Urban analysis

FOREIGN TRADE
UF Exports
Imports
International trade
BT Commerce
NT Free trade
RT International relations
Licenses
Tariff

FOREIGN WATERS
RT Treaties

FOREST ACCRETION
USE FOREST MEASUREMENT

FOREST APPRAISAL
UF Forest taxation
Forest valuation
Stand value
Stumpage valuation
Timber appraisal
BT Appraisal

FOREST BURNING
BT Forest protection
NT Broadcast burning
Prescribed burning
RT Forest fires

FOREST CONSERVATION
UF Forest preservation
Tree preservation
BT Natural resource conservation
RT Forest management
Wilderness areas

FOREST CUTTING CYCLES
BT Silviculture

FOREST CUTTING SYSTEMS
BT Silviculture

FOREST ECOLOGY
UF Silvics
NT Forest succession
RT Forest fire effects
Forest regeneration (natural)
Timberline

FOREST EXPERIMENT STATIONS
RT Experimental forests

FOREST FIRE CONTROL
UF Fire control (forest)
Forest fire fighting
Forest fire suppression
BT Fire control
Forest protection
NT Aerial fire control
Firebreaks

FOREST FIRE DETECTION
UF Aerieal fire detection
RT Lookout towers

FOREST FIRE EFFECTS
RT Forest regeneration (natural)
Forest ecology

FOREST FIRE FIGHTING
USE FOREST FIRE CONTROL

FOREST FIRE LOOKOUT TOWERS
USE LOOKOUT TOWERS

FOREST FIRE SUPPRESSION
USE FOREST FIRE CONTROL

FOREST FIRES
BT Fires
RT Fire fighting
Fire prevention
Forest burning

FOREST FIRE WARDENS
RT Forest rangers

FOREST FIRES
RT Damages
Ecology
Forest management
Forests
Hazards

FOREST GARDENS
USE EXPERIMENTAL FORESTS

FOREST IMPROVEMENT CUTTING
RT Thinning

FOREST INCREMENT
USE FOREST MEASUREMENT

FOREST INDUSTRIES
BT Agricultural industries
RT Forest products
Lumber trade
Wood-using industries

FOREST INSURANCE
BT Agricultural insurance

FOREST INVENTORY
USE FOREST SURVEYS

FOREST LABOR
UF Forest workers
BT Agricultural labor
NT Logging labor
Sawmill labor

FOREST LABOR WAGES
BT Agricultural wages

FOREST LAND OWNERSHIP
USE FOREST OWNERSHIP

FOREST MANAGEMENT
UF Forest practices
Silviculture
Timber management
BT Management
RT Browse utilization
Erosion control
Forest conservation
Forest fires
Forestry
Forest soils
Lumbering
Reforestation
Snow management

FOREST MEASUREMENT
UF Forest accretion
Forest increment
Forest mensuration
Form factors
Mensuration (forest)
Tree measurement
NT Stand structure measurement
Stand volume estimates
Tree volume measurement
RT Forest surveys

FOREST MENSURATION
USE FOREST MEASUREMENT

FOREST MULTIPLE USE
RT Land multiple use

FOREST OWNERSHIP
UF Land forest ownership

FOREST PLANTING
BT Forest regeneration (artificial)
Planting
NT Forest seed planting
RT Reforestation
Tree planting

FOREST POLICIES
UF National forest policies
BT Agricultural policies

FOREST PRACTICES
USE FOREST MANAGEMENT

FOREST PRESERVATION
USE FOREST CONSERVATION

FOREST PRESERVES DISTRICTS
BT Urban services

FOREST PRODUCTS
UF Wood products
BT Agricultural products
NT Gums
Lumber
Resins
RT Forest industries

FOREST PROTECTION
NT Forest burning
Forest fire control
Slash disposal
RT Plant protection

FOREST RANGERS
UF Rangers
RT Forest fire wardens
Foresters

FOREST RECREATIONAL USE
RT Land recreational use

FOREST REGENERATION (ARTIFICIAL)
UF Artificial regeneration (forests)
BT Silviculture
NT Forest planting
Reforestation
RT Forest regeneration (natural)

FOREST REGENERATION (NATURAL)
UF Forest reproduction
Natural regeneration (forests)
RT Forest ecology
Forest fire effects
Forest regeneration (artificial)
Plant reproduction

FOREST REPRODUCTION
USE FOREST REGENERATION (NATURAL)

FOREST RESERVATIONS
USE FOREST RESERVES

FOREST RESERVES
UF Forest reservations
BT Outdoor recreation
RT National forests

FOREST SEED PLANTING
BT Forest planting

FOREST SOILS
BT Soil types
RT Forest management
Forestry
Forests
Rhizosphere

FOREST SORGHUM
USE SORGHUM

FOREST SUCCESSION
BT Forest ecology

FOREST SURVEYS
UF Continuous Inventory (forests)
Forest inventory
BT Surveys
NT Timber cruising
RT Forest measurement
Photogrammetry
Sample designs (forestry)

FOREST TAXATION
USE FOREST APPRAISAL

FOREST TYPES
UF Forest typology
NT Rain forests
Taiga

FOREST TYPOLOGY
USE FOREST TYPES

FOREST VALUATION
USE FOREST APPRAISAL

FOREST WASTE
USE WOOD WASTE

FOREST WORKERS
USE FOREST LABOR

FORESTATION
USE FORESTRY
REFORESTATION

FORESTERS
RT Forest rangers

FORESTRY
UF Forestation
NT Farm forestry
RT Afforestation
Coniferous forests
Coniferous trees
Deciduous forests
Deciduous trees
Experimental farms
Forest management
Forests
Forest soils
Lumbering
Plant breeding
Plant pathology
Plants (botany)
Rhizosphere
Snow management
Trees
Watersheds (basins)

FORESTRY CUTTING SYSTEMS
RT Logging

FORESTS
NT Coniferous forests
Cutover forests
Deciduous forests
Experimental forests
Logging
Mixed forests
Mountain forests
National forests
Rain forests
Silviculture
RT Canopy
Dendrochronology
Forest fires
Forestry
Forest soils
Hardwood
Humid climates
Industrial crops
Land resources
Land use
Silviculture
Lumbering
Natural resources
Parks
Pedalfers
Pulp and paper industry
Snow management
Softwood
(Continued)

FORESTS (Continued)
RT Succession
Terrestrial habitats
Trees
Vegetal cover
Vegetation

FORM FACTORS
USE FOREST MEASUREMENT

FORMAL LOGIC
UF Logic (formal)
NT Mathematical logic
Methodology
Reasoning
RT Analysis
Decision making
Procedures

FORMAL ORGANIZATIONS
USE ORGANIZATIONS (GROUPS)

FORMATIONS
RT Aquicludes
Aquifers
Connate water
Formation pressure
Formation tests
Fossil fuel deposits
Fossil reefs
Gas injections
Mineral deposits
Monoliths
Paleontology
Permeability
Petrology
Porosity
Producing wells
Producing zones
Production control
Production rate
Reservoir engineering
Rock mechanics
Rocks
Soils
Stratigraphy
Well logging

FORMICIDAE
UF Ants
BT Arthropoda
Hymenoptera
Insects
Invertebrates
Pierygota

FORMULAS
NT Kutter formula
Pile driving formulas
Rational formula
RT Cavitation index
Equations

FORMULATION
RT Liquids

FOSSIL FUEL DEPOSITS
BT Mineral deposits
NT Bituminous sands
Coal deposits
Gas fields
Gas reservoirs
Peat deposits
RT Formations
Geophysical prospecting
Reserves

FOSSIL FUEL THERMIONIC CONVERTERS
BT Direct power generators
Electric generators
Thermionic converters

FOSSIL FUELS
NT Anthracite
Bituminous coal
Coal
Fuel oil
Lignite
Shale oil
Liquefied natural gas
RT Non-renewable resources

FOUNDATION FAILURE
BT Failure

FOUNDATION GROUTING
USE GROUTING

FOUNDATION INVESTIGATIONS
BT Investigations

FOUNDATIONS
RT Grouting
Influence charts
Dam foundations
Sand boils
Seepage control
Soil mechanics
Stability

FOUNDRIES
UF Iron foundries
Steel foundries
BT Industrial plants

FOWL
USE BIRDS

FRACTIONATION
USE DISTILLATION

FRACTURES
RT Faults (geology)

FRAZIL ICE
BT Ice

FREE SURFACES
BT Interfaces

FREE WATER
USE GRAVITATIONAL WATER

FREEWAY DISPLACEMENT
BT Highways

FREEWAY INTERCHANGES
BT Roads
Transportation nodes

FREEWAYS
RT Parkways
Toll roads
BT Limited access highways

FREEZE-THAW CYCLES
RT Cold climates
Cold regions
Diurnal variations
Eluvium
Freeze-thaw durability
Freeze-thaw tests
Freezing
Frost action
Frost heaving
Periodic variations
Temperature
Weather

FREEZE-THAW DURABILITY
BT Chemical properties
(Continued)

FREEZE-THAW DURABILITY (Continued)
RT Durability
Mechanical properties
Freeze-thaw cycles
Freeze-thaw tests
Frost action

FREEZE-THAW TESTS
BT Materials tests
Tests
RT Accelerated tests
Concrete tests
Durability
Foreign tests
Freeze-thaw cycles
Freeze-thaw durability
Freezing
Frost
Frost action
Frost protection
Laboratory tests
Pipe tests
Refrigeration
Riprap
Temperature sensors
Test results
Thawing
Thermodynamics

FREEZING
NT Flash freezing
RT Cryotherapy
Food processing
Highway icing
Ice crystals
Ice formation
Ice lenses
Sleet
Temperature
Water cooling
Winter killing

FREIGHT
UF Cargo
RT Bills of lading
Forwarding agents
Freight cars
Freight transportation
Materials handling
Packing

FREIGHT TERMINALS
BT Terminal facilities

FREQUENCY
NT Natural frequency
RT Flow duration curves

FRESH WATER
BT Water
Water types
NT Melt water
Snowmelt
RT Farm ponds
Freshwater marshes
Ground water
Lakes
Limnology
Potable water
Ponds
Salt water
Surface waters
Water costs
Wetlands

FRESH WATER ALGAE
USE AQUATIC ALGAE

FRESH WATER ANIMALS
USE AQUATIC ANIMALS

FRESH WATER BACTERIA
USE AQUATIC BACTERIA

FRESH WATER BIOLOGY
BT Aquatic biology
RT Marine biology

FRESHWATER FISH
BT Animals
Aquatic animals
Aquatic life
Fish
Wildlife
NT Bass
Sunfishes
RT Ice fishing
Lake fisheries
Limnology
Stream fisheries

FRESH WATER FISHES
BT Aquatic animals
Fishes
Vertebrates
(Continued)

FRESHWATER FISHES
NT Carp
Minnows
Shiners
RT Bass
Catfishes
Cod
Eels
Herrings
Lampreys
Perch
Salmon
Trout

FRESHWATER FUNGI
USE AQUATIC FUNGI

FRESHWATER MARSHES
BT Land forms
Marshes
Wetlands
RT Freshwater
Limnology

FRESHWATER MICROORGANISMS
USE AQUATIC MICROORGANISMS

FRESHWATER PLANTS
USE AQUATIC PLANTS

FRESHWATER-SALINE WATER INTERFACES
USE SALINE WATER-FRESHWATER

FREIGHT TERMINALS
RT Passenger terminals

FRICTION
UF Side friction
BT Mechanical properties
NT External friction
Fluid friction
Internal friction
Negative friction
Pile friction
Positive friction
Skin friction
Solid friction
Wall friction
RT Energy losses
Kinetics
Obstruction to flow
Sliding
Sliding resistance

FRINGE AREAS
UF Rural-urban fringe areas
Urban-fringe areas
BT Rural urban relationships
Urban areas
NT Urban fringes
RT City planning
Municipal government
Municipal services

FRINGE WATER
UF Anastatic water
BT Capillary water
Moisture
Soil moisture
Subsurface waters
Vadose water
Water
Water types

FROGS
BT Amphibia
Vertebrates

FRONTAGE
RT Planning
Streets
Subdivision regulations

FRONTAGE ROADS
UF Service roads
BT Roads

FRONTIERS
BT Boundaries

FRONTS (ATMOSPHERIC)
BT Boundaries (surfaces)
RT Air masses
Atmosphere
Meteorology
Storms

FRONTS (METEOROLOGY)
BT Atmospheric disturbances
Storms
Synoptic meteorology
Thunderstorms

FROST
RT Frost action
Frost heaving
Frost penetration
Frost prevention
Frost protection

FROST ACTION
UF Boils (frost)
Frost boil
Frost effects
Penetration (frost)
RT Freeze-thaw cycle
Freeze-thaw durability
Freeze-thaw tests
Frost

FROST BOIL
USE FROST ACTION

FROST CONTROL
RT Plant protection

FROST EFFECTS
USE FROST ACTION

FROST HEAVING
BT Heaving
RT Freeze-thaw cycle
Frost

FROST INSURANCE
BT Crop insurance

FROST PENETRATION
RT Frost

FROST PREVENTION
RT Frost
Frost protection
Ice
Ice prevention

FROST PROTECTION
RT Frost
Frost prevention
Heating
Horticultural crops
Weather modifications
Winter killing

FROST RESISTANCE
USE PLANT HARDINESS

FROZEN GROUND
UF Frozen soils
Permafrost
BT Soils
RT Winter construction

FROZEN SOILS
UF Frozen ground
BT Earth materials
Materials
Soils
Soil types
NT Permafrost
RT Ice lenses
Thawing

FRUIT CROPS
UF Fruits
BT Crops
Horticultural crops
Plants (botany)
NT Citrus trees
Hickory trees
Stone fruits
RT Shrubs

FRUIT CULTURE
UF Fruit growing
Fruit production
Pomology
BT Horticulture
NT Grape culture
Thinning (fruit)
RT Plant protection

FRUIT GROWING
USE FRUIT CULTURE

FRUIT PRODUCTION
USE FRUIT CULTURE

FRUITING
RT Ecology
Growing season
Phenology
Plant growth regulators
Plant growth substances
Plant morphology
Plants
Seed production

FRUITS
USE FRUIT CROPS

FUEL CELLS
BT Direct power generators
Electric generators
NT Bacon fuel cells
Biochemical fuel cells
Liquid metal fuel cells
Regenerative fuel cells
RT Electric batteries
Electrochemical power generation
Fuel cell catalysts
Fuel cell electrodes
Fuel cell electrolytes
Fuel cell fuels
Fuel cell oxidants
Fuel cell separators
Fuel conditioning (fuel cells)

FUEL OIL
UF Diesel fuel
BT Fossil fuels
Oils
RT Gasoline
Petroleum

FUEL REDUCTION (FOREST)
RT Slash disposal

FUELS
RT Coal
Gasoline
Natural gas
Oils
Pest
Petroleum
Power resources
Water pollution sources

FULLERS EARTH
BT Clay minerals
Nonmetalliferous minerals
Silicate minerals
Soils
RT Attapulgite
Clay soils
Montmorillonite

FUMIGANTS
RT Soil sterilants
Sterilants

FUMIGATION
RT Disinfection
Dusting
Pest control
Spraying
Sterilization

FUNCTIONAL AREAS
BT Urban areas

FUNCTIONAL CONSOLIDATIONS
BT Development
Urban development
NT Land
Statistics
Urban planning
RT Aerial photographs
Dead subdivisions
Development
Estates
Land values
Local government structure
Office space
Planning
Real estate
Regional planning
Urban land

FUNCTIONAL NONFUNCTIONAL AREAS
BT Spatial patterns
NT Spatial patterns

FUNDING
USE FINANCE

FUNDS
USE FINANCE

FUNDULUS SPECIES
USE KILLIFISHES

FUNGI
BT Parasites
Plants (botany)
NT Aquatic fungi
Soil fungi

FUNGI DISSEMINATION
BT Plant dissemination

FUNGICIDES
BT Chemicals
Pesticides
Poisons

FUR FARMS
BT Farm types

FURNACES
NT Blast furnaces
Kilns
RT Boilers
Dryers
Heaters
Heating
Heating plants
Heat treatment
Incinerators
Laboratory equipment
Ovens

FURROW DRAINAGE
BT Drainage
RT Furrow irrigation
Land forming

FURROW IRRIGATION
BT Distribution systems
Gravity irrigation
Irrigation
Irrigation systems
Surface irrigation
NT Border irrigation
RT Furrow drainage
Irrigation engineering

FURROWS
BT Ditches
NT Contour furrows
RT Cultivation

FURROW SYSTEMS
RT Artificial recharge
Channeling

FUSES (ELECTRIC)
USE ELECTRIC FUSES

FUSION
RT Liquefaction
Welding

FUSION (NUCLEAR)
USE NUCLEAR FUSION

FUTURE CITIES
    RT Model community builders

FUTURE PLANNING (PROJECTED)
    RT Long-term planning

GABIONS
UF Rock sausages
RT Bank protection
Barriers
Cribbing
Erosion control
Groins (structures)
Harbors
Jacks (structural shape)
Revetments
Shore protection
Slope protection
Stable channels
Stream meandering

GAGES
UF Gaging
Gauges
Measuring equipment
BT Equipment
Instrumentation
Measuring instruments
Test equipment
NT Precipitation gages
Stream gages
Weir gages
RT Flow measurements
Streamflow
Water levels
Water measurement

GAGING
USE GAGES

GAGING STATIONS
BT Stations
NT Stream gaging station
RT Flow measurement
Stream gages
Water control
Water levels
Water stage recorders

GALVANIC CORROSION TESTS
BT Environmental tests

GAME BIRDS
BT Birds
Vertebrates
RT Pheasants

GAME MANAGEMENT
USE WILDLIFE MANAGEMENT

GAME THEORY
BT Operations research

GANTRY CRANES
USE HOISTING MACHINERY

GARAGES
UF Carpots
BT Buildings
Land use
RT Traffic
Transport

GARBAGE
BT Refuse
Wastes
RT Refuse disposal

GARBAGE DUMPS
BT Waste dumps
RT Refuse disposal

GARDEN CITIES
BT Cities
Types of cities
RT Greenbelts
Planning
Satellite cities
Urban planning

GARDEN COMMUNITIES
BT Communities

GARDEN DESIGN
USE LANDSCAPING

GARDEN SUBURBS
BT Types of communities

GARDENING
RT Gardens
Horticulture
Landscaping

GARDENING
RT Gardens
Horticulture
Landscaping

GARDENS
RT Gardening

GAS
USE GASES

GAS DRILLING
USE GASES

GAS FIELDS
BT Fossil fuel deposits
Mineral deposits
RT Gas production
Gas reservoirs
Gas wells
Geophysical prospecting
Oil fields
Oil reservoirs
Underground storage

GAS FLOW
RT Liquid flow
Mass flow

GAS INDUSTRY
RT Public utilities

GAS PIPELINES
RT Pipeline transportation

GAS POOLS
USE GAS RESERVOIRS

GAS PRODUCTION
UF Gas production testing
RT Gas fields
Natural gases
Oil well drives

GAS PRODUCTION TESTING
USE GAS PRODUCTION

GAS RESERVOIRS
UF Gas pools
BT Fossil fuel deposits
Mineral deposits
RT Gas fields
Natural gas
Reservoirs

GAS STORAGE
UF Gas storage wells
RT Natural gas
Pipelines

GAS STORAGE WELLS
USE GAS STORAGE

GAS SUPPLY
RT Pipelines
Transportation

GAS WELLS
BT Wells
RT Gas fields
Marginal wells

GASES
BT Fluids
NT Air
Carbon dioxide
Carbon monoxide
Coal gas
Dissolved gases
Dissolved oxygen
Exhaust gases
Methane
Natural gas
Nitrogen
Oxygen
Ozone
Soil gases
Vapors
Water vapor
RT Liquids
Non-renewable resources

GASIFICATION
BT Vaporizing
NT Coal gasification
RT Heating

GASOLINE
BT Petroleum products
RT Fuels
Water pollution sources

GATE CONTROL
BT Control
Hydraulic equipment
RT Gate hoists
Gates
Gate seals
Gate seats
Hoisting machinery
Hydraulic gates
Hydraulics

GATE HOISTS
BT Hoisting machinery
RT Gate control
Gates

GATE SEALS
BT Seals (stoppers)
RT Gate control
Gates
Gate seats
Sealants

GATE SEATS
RT Gate control
Gates
Gate seals

GATE VALVES
BT Hydraulic valves
Valves

GATES
NT Floodgates
Hydraulic gates
Intake gates
Slide gates
Sluice gates
Turnout gates
RT Diversion works
Gate control
Gate hoists
Gate seals
Gate seats
Headworks
Lock gates
Orifices
Spillways
Weirs

GATEWAY CENTERS
BT Types of cities

GAUGES
USE GAGES
MEASURING EQUIPMENT
GAUGING
USE MEASUREMENT

GEESE
BT Birds
Vertebrates
RT Ducks

GEMEINSCHAFT
RT Agrarianism

GEMEINSCHAFT GESELLSCHAFT
BT Urban theories

GENERAL CIRCULATION
BT Circulation
NT Atmospheric circulation

GENERAL DEVELOPMENT PLAN
BT Urban development

GENERAL LOCATION THEORY
BT Spatial analysis

GENERAL PLAN
USE MASTER PLAN

GENERAL PLAN CONCEPT
BT Planning

GENERATION
USE REPRODUCTION

GENERATORS
BT Equipment
NT Electric generators
Motor generators
RT Electric power
Electric powerplants

GENETICS
NT Fish genetics
Plant genetics

GEOBOTANY
USE PLANT GEOGRAPHY

GEOCENTRIC ORBITS
USE EARTH ORBITS

GEOCHEMISTRY
BT Chemistry
Sciences
NT Soil chemistry
RT Geologic control
Humid areas
Soil analysis
Trace elements

GEODESICS
USE GEODESY

GEODESY
UF Geodesics
RT Earth models
Geography
Geology
Geophysics
Measurement
Surveying
Surveys

GEODETIC SURVEYS
BT Surveys
RT Plane surveying
Surveying

GEODIMETERS
BT Equipment
Instrumentation
Measuring instruments
Test equipment

GEOELECTRICITY
RT Earth current communication

GEOGRAPHIC CITIES
RT Urbanized areas

GEOGRAPHICAL REGIONS
RT Terrain

GEOHYDROLOGY
USE HYDROLOGY

GEOLOGIC CONTROL
BT Control
RT Geochemistry
Geology
Hydrogeology

GEOLOGIC DEPOSITS
NT Alluvial deposits
Alluvium
Glacial deposits
RT Aeolian soils
Erosion
Flood plains
Gravels
Land forms
Rocks
Sand bars
Sands
(Continued)

GEOLOGIC DEPOSITS (Continued)
RT Sediment deposits
Sediments
Silts

GEOLOGIC DEPOSITS
NT Alluvial deposits
Alluvium
Glacial deposits
Moraines
Terrace deposits
RT Debris
Erosion
Wind erosion

GEOLOGIC FORMATIONS
BT In situ rock
NT Bedrock
RT Aquifers
Geological surveys
Geologic investigations
Geologic mapping
Geologic maps
Geology
Igneous rocks
Metamorphic rocks
Oil reservoirs
Outcrops
Rocks
Sedimentary rocks
Sedimentary structures
Soils
Strata
Stratigraphy
Structural geology

GEOLOGIC INVESTIGATIONS
BT Investigations
NT Petrographic investigations
RT Engineering geology
Exploration
Field classifications
Geological surveys
Geological formations
Geological mapping
Geologic maps
In situ rock
Reconnaissance surveys
Soil investigations
Subsurface investigations

GEOLOGIC MAPPING
BT Mapping
RT Geologic formations
Geologic investigations
Geology
Geophysical prospecting
Hydrogeology
Maps
Stratigraphy

GEOLOGIC MAPS
BT Maps
RT Geologic formations
Geologic investigations
Mapping

GEOLOGIC STRUCTURES
UF Geological planes
NT Faults (geology)
Fissures (geology)
Folds (geology)
Geological faults
RT Earth planetary structure
Sedimentary structures
Structural geology

GEOLOGIC TIME
NT Cenozoic era
Mesozoic era
Precambrian ear
Quaternary period
Tertiary period
RT Stratigraphy

GEOLOGICAL ENGINEERING
USE ENGINEERING GEOLOGY

GEOLOGICAL FAULTS
UF Faults (geology)
BT Geologic structures
NT Submarine faults
RT Dislocations (materials)
Earthquakes
Geological folds

GEOLOGICAL PLANES
USE GEOLOGIC STRUCTURES

GEOGRAPHIC CONCEPTS
NT Areal variation
Centrality
Culture
(Continued)

GEOGRAPHIC CONCEPTS (Continued)
NT Density
Distance
Distribution
Edge
Equilibrium
Form
Geographical association
Location
Nodality
Patterns
Proximity
Regions
Scale
Space
Spatial variation
Stage

GEOGRAPHIC FACTOR
NT Geographic region
Hinterland

GEOGRAPHIC LOCATION
BT Geographic relationships

GEOGRAPHIC REGION
BT Geographic factor
Regions
NT Metropolitan areas
Metropolitan regions

GEOGRAPHIC RELATIONSHIPS
NT Ecology
Geographic location
Regions
Sphere of influence
Tributary areas
Tributary areas of cities

GEOGRAPHIC THEORY
NT Areal association
Areal differentiation
Areal generalization
Cultural regions
Differentiation
Hypothetical transition zone
Inertia
Interaction
Location
Shape
Size
Spatial interaction
Spatial structure
RT Process

GEOGRAPHIC VARIABLES
NT Area
Cultural landscape
Surface

GEOGRAPHICAL REGIONS
BT Regions
NT Corn belt
Utah
RT Climate
Climatic zones
Geography
Terrain

GEOGRAPHY
BT Social sciences
NT Biogeography
Deserts
Economic geography
Demography
Innerbelt areas
Phytogeography
Plant geography
Regions
Urban geography
Urban sites
Urban areas
Zoogeography
RT Conservation education
Economic development
Geodesy
Geographical regions
Geomorphology

GEOHYDROLOGIC UNITS
RT Aquifers
Ground water
Ground water basins
Ground water depletion
Ground water geology

GEOLOGICAL FAULTS
BT Geologic structures
NT Submarine faults
RT Dislocations (materials)
Earthquakes
Geological folds

GEOLOGICAL FOLDS
RT Geological faults

GEOLOGICAL SURVEYS
BT Surveys
(Continued)

GEOLOGICAL SURVEYS (Continued)
BT Surveys
RT Geologic formulations
Geologic investigations
Stratigraphy

GEOLOGY
BT Sciences
NT Climatic geomorphology
Basin and range topography
Economic geology
Engineering geology
Geomorphology
Cuestas
Glacial geology
Ground water geology
Hydrogeology
Mineralogy
Mining geology
Petroleum geology
Petrology
Quantitative geomorphology
Sediment discharge
Sediment distribution
Sediment load
Sediment sorting
Sediment transport
Sedimentary petrology
Sedimentation
Sedimentology
Structural geology
RT Archaeology
Earth movements
Earthquakes
Geodesy
Geologic control
Geologic formations
Geologic mapping
Ground water
Ground water hydrology
In situ rock
Outcrops
Paleontology
Sedimentary rocks
Seismology
Soil science
Strata

GEOMETRIC SHAPES
NT Curves
Flow duration curves

GEOMORPHOLOGY
UF Physical geography
Physiography
BT Geology
RT Fjords
Geography
Isostasy
Petrology
Water gaps

GEOPHYSICAL EXPLORATION
USE GEOPHYSICAL PROSPECTING

GEOPHYSICAL LOGGING
BT Logging (recording)

GEOPHYSICAL PROSPECTING
UF Geophysical exploration
BT Exploration
NT Electrical prospecting
Geothermal prospecting
Magnetic surveys
Seismic prospecting
RT Engineering geology
Fossil fuel deposits
Gas fields
Geologic mapping
Geophysical surveys
Plane surveys
Reconnaissance surveys
Subsurface investigations
Surveys

GEOPHYSICAL SURVEYS
BT Surveys
RT Geophysical prospecting
Plane surveys
Site surveys
Topographic surveys
Underground surveys

GEOPHYSICS
NT Electrical resistivity
Electrical studies
Electrical prospecting
Engineering geology
Geothermal prospecting
Geothermal studies
Ground water geology
Magnetic surveys
Seismic studies
RT Geodesy
(Continued)

GEOPHYSICS (Continued)
RT Hydrography
Radioactivity
Seismology
Subsurface mapping

GEOPHYTES
BT Life forms (plants)

GEOTHERMAL POWERPLANTS
BT Industrial plants
Powerplants
RT Electric power
Electric power production
Geothermal studies
Hot springs

GEOTHERMAL PROSPECTING
BT Exploration
Geophysical prospecting
Geothermal studies
RT Geophysics
Temperature sensors
Well logging

GEOTHERMAL STUDIES
UF Thermal studies
BT Geophysics
NT Geothermal prospecting
RT Geothermal powerplants
Temperature
Warm springs

GERMANIUM
BT Metalloids
RT Germanium isotopes

GERMANIUM ALLOYS
BT Alloys
Metals
RT Germanium

GERMICIDES
USE BACTERICIDES

GEYSERS
BT Hot springs
RT Juvenile water

GHETTOS
BT Neighborhoods
RT Cultural groups
Social problems
Urban environment

GHOST TOWNS
BT Types of cities
Urban change

GILSONITE
BT Bitumens
Natural bitumens
RT Natural asphalts

GIRDER BRIDGES
BT Bridges (structures)
RT Drawbridges

GIRDERS
BT Structural members
NT Plate girders
RT Beams (structures)
Bridges (structures)
Construction
Structural design
Supports

GLACIAL BOULDERS
USE GLACIAL DEPOSITS

GLACIAL CLAYS
USE GLACIAL DEPOSITS

GLACIAL DEPOSITS
UF Boulders (glacial)
Clays (glacial)
Deposits (glacial)
Glacial boulders
Glacial clays
Glacial drift
Glacial outwash plains
BT Geologic deposits
NT Glacial soils
Moraines
Glacial till
RT Sediment deposits
Sediment production
Terrace deposits

GLACIAL DRIFT
UF Glacial deposits
RT Till
Wind action

GLACIAL EROSION
BT Erosion
RT Glacial geology
Glaciation
Water erosion

GLACIAL FEATURES
RT Glaciers

GLACIAL GEOLOGY
BT Geology
Morphology
NT Glaciation
Glaciers
Moraines
RT Fjords
Glacial erosion
Paleoclimatology
Topography

GLACIAL OUTWASH PLAINS
USE GLACIAL DEPOSITS

GLACIAL SOILS
BT Earth materials

GLACIAL TILL
UF Till (Glacial)
BT Glacial deposits
Soils
RT Boulder clay

GLACIATION
BT Glacial geology
RT Glacial erosion
Physical planning

GLACIERS
BT Ice
Land forms
Topographic features
RT Fjords
Glacial features
Glacial geology
Till

GLACIOLOGY
RT Paleoclimatology

GLASS
BT Building materials
Construction materials
NT Rare earth glass

GOATS
BT Artiodactyla
Eutheria
Mammals
Ruminants
(Continued)

GOATS (Continued)
BT Ungulata
Vertebrates
RT Domestic animals
Livestock

GOLD
BT Metals
Precious metals
Transition metals
RT Gold isotopes
Refractory metals

GOLD
BT Chemical elements
Metals
RT Drift mining
Hydraulic mining
Mines
Planning
Placer mining
Refractory metals

GOLF COURSES
BT Open spaces
Recreation

GOLD COURSES
RT Landscaping
Lawns
Recreation
Recreation facilities
Sprinkler irrigation

GORGES
USE CANYONS

GOVERNMENT
UF Federal government
BT Political science
NT Local government
National government
State government
RT Civil service
Legislation
Public administration
Revenue

GOVERNMENT ASSISTED HOUSING
USE MORTGAGE FINANCE
PUBLIC HOUSING
RENT SUBSIDIES
STATE AIDED HOUSING PROGRAMS

GOVERNMENT CONTRACTS
UF Federal contracts
NT Contract documents
RT Cost plus contract

GOVERNMENT CORPORATIONS
UF Corporations, government
BT Corporations

GOVERNMENT, MUNICIPAL
USE MUNICIPAL GOVERNMENT

GOVERNMENT OWNERSHIP (LAND)
USE PUBLIC LANDS

GOVERNMENT PURCHASING
USE FEDERAL CONTRACTS

GOVERNMENT REGULATIONS
NT Building license
Ceiling price
Housing acts
Rent control
RT Bankruptcy
Zones

GOVERNMENT RESEARCH
UF Federal government-research
Federal research
BT Research

GOVERNMENTAL UNIT
NT Incorporated boroughs
Municipalities

GOVERNMENTS
NT Federal government
Local governments
Metropolitan governments
Municipal government
Political administration
State governments
Urban governments
RT Administration
City zoning regulations
Institutions
Interstate
Irrigation programs
Laws
(Continued)

GOVERNMENTS (Continued)
RT Political aspects
Public utility districts
Sewage districts
Urban reform
Urban rural conflicts
Urban zoning
Water law
Water policy
Water resources development

GRABEN (GEOLOGY)
RT Rift valleys

GRADATION ANALYSIS
RT Soil classifications
Size
Grading (earthwork)

GRADE (PROFILE)
USE SLOPE

GRADED
RT Regime
Waterfalls

GRADERS
USE EARTH HANDLING EQUIPMENT

GRADES
USE GRADIENTS

GRADES (QUALITY)
USE QUALITY

GRADIENTS
UF Grades
NT Energy gradient
Environmental gradient
Hydraulic gradient
Thermal gradient
RT Bedload movement
Bed movements
Energy dissipation
Energy equation
Energy losses
Topography
Slopes

GRADING (CLASSIFYING)
USE EVALUATION

GRADING (EARTHWORK)
RT Construction
Earth handling equipment
Earth moving
Embankments
Excavation
Flat surfaces
Gradation analysis
Grain sizes
Land preparation
Roadbanks
Road construction
Slopes
Stripping
Surface preparation

GRAIN ELEVATORS
BT Farm buildings

GRAIN SIZES
RT Grading (earthwork)

GRAIN SORGHUM
USE SORGHUM

GRAINS (CROPS)
RT Barley
Cereal crops
Corn (field)
Feeds
Oats
Rice
Seeds
Sorghum
Soybeans
Straw
Wheat

GRAND FIR TREES
UF Abies grandis
BT Coniferous trees
Conifers
Fir trees
Gymnosperms
Plants (botany)
Trees

GRANTS
RT Contract
Projects

GRANTS-IN-AID
UF Economic assistance, domestic
Federal grants-in-aid
BT Intergovernmental relations
NT Block grants
Federal aids
State aid
RT Equalization
Revenues and expenditures

GRANULAR MATERIALS
BT Materials
NT Aggregates
Beach sands
Dune sands
Gravels
Quicksand
Soil aggregates
RT Fine aggregates
Particles
Pervious soils

GRANULAR SOILS
USE NONCOHESIVE SOILS

GRAPH THEORY
RT Communication theory

GRAPHIC ARTS
UF Illustration
BT Arts
RT Diagrams
Drawings
Lithography
Motion pictures
Photocomposition
Photography
Printing

GRAPHIC METHODS
UF Graphical analysis
Graphics
Graphic statics
RT Applications of mathematics
Charting
Charts
Drawings
Nomographs
Statistical analysis
Statistical distributions
Visual aids

GRAPHIC STATICS
USE GRAPHIC METHODS

GRAPHICAL ANALYSIS
USE GRAPHIC METHODS

GRAPHICS
USE GRAPHIC METHODS

GRAPHS (CHARTS)
UF Curves (graphs)
BT Charts

GRASSED WATERWAYS
UF Waterways, grasses
BT Channels
Waterways
RT Conservation
Drains
Land forming
Open channels
Resource conservation
Spillways

GRASSES
BT Monocots
Plant cover
Plants (botany)
NT Barley
Bluegrasses
Bromegrass
Cereal crops
Corn (field)
Cultivated grasses
Forage grasses
Kentucky bluegrass
Oats
Mid grasses
Orchardgrass
Range grasses
Rice
Sorghum
Tall grasses
Turf grasses
Wheat
Wheatgrasses
Wild rice
RT Grazing land
Ground cover

GRASSLAND BIOME
RT Tall grasses

GRASSLAND FARMING
BT Farming
RT Meadows

GRASSLANDS
UF Pampas
Prairies
Ranges
Savannas
Steppes
BT Biomes
Land
Region
NT Pasture
RT Ecology
Grazing
Grazing land
Ranges
Semiarid climates
Subhumid climates
Temporary pond stage
Terrain
Terrestrial habitats
Plains
Vegetal cover

GRAUPEL
BT Snow

GRAVEL BLANKETS
BT Blankets
RT Dams
Earth dams
Gravels

GRAVEL PACKS
USE WELL FILTERS

GRAVEL PITS
BT Pits
RT Aggregates
Excavation
Gravels
Porous materials
Sands

GRAVELS
UF Sandy gravel
Silty gravel
BT Construction materials
Earth materials
Granular materials
Materials
(Continued)

GRAVELS (Continued)
BT Pervious soils
Soils
Soil types
RT Geologic deposits
Gravel blankets
Gravel pits
Ground water geology
Hydraulic mining
Loose soils
Noncohesive soils
Sediment deposits
Soil classifications
Soil components
Soil texture
Terrace deposits
Well filters

GRAVIMETERS
UF Gravity meters
BT Equipment
Instrumentation
RT Density
Gravimetry
Gravity studies
Hydrometers

GRAVIMETRIC ANALYSIS
BT Analytical techniques
Chemical analysis
RT Gravity
Volumetric analysis
Water analysis

GRAVIMETRIC PROSPECTING
BT Exploration

GRAVIMETRY
RT Gravimeters
Hydrometry
Measurement

GRAVITATIONAL WATER
UF Free water
BT Subsurface waters
Water
Water types
RT Capillary water
Excess water (soils)
Ground water
Hygroscopic water
Infiltration
Percolation
Permeability
(Continued)

GRAVITATIONAL WATER (Continued)
RT Phreatic water
Seepage
Soil types
Soil water
Specific yield
Vadose water

GRAVITY DAMS
BT Dams
RT Arch dams
Concrete dams
Earth dams

GRAVITY IRRIGATION
BT Irrigation
Irrigation systems
NT Buried irrigation systems
Distribution systems
Furrow irrigation
Mist irrigation
Recirculating irrigation system
Subsurface irrigation
Trickle irrigation
RT Diversion works
Flood irrigation
Irrigation practices
Turnouts

GRAVITY METERS
USE GRAVIMETERS

GRAY-BROWN PODZOLIC SOILS
RT Soil groups

GRAZING
UF Continuous grazing
Deferred grazing
Rotation grazing
RT Forages
Grasslands

GRAZING LAND
UF Range land
Ranges
BT Land
RT Grasses
Grasslands
Livestock
Range grasses

GREAT PONDS
BT Lakes

GREAT RIVERS
USE NAVIGABLE RIVERS

GREENBACKS
USE MONEY

GREENBELT COMMUNITIES
USE GREENBELTS

GREENBELT CITIES
BT Types of cities

GREENBELTS
UF Greenbelt communities
RT Garden cities

GREENHOUSES
RT Controlled environment
Environments
Farm buildings
Growth chambers
Plants (botany)
Shelters

GRIDIRON PLAN
BT Street systems

GROCERY TRADE
USE FOOD MARKETING

GROINS (STRUCTURES)
RT Channel protection

GROUND
BT Land

GROUND COVER
BT Cover
RT Beautification
Brush
Cover crops
Grasses
Litter
Plants (botany)
Weeds

GROUND COVER EFFECTS
USE VEGETATION EFFECTS

GROUND LANDLORD
RT Real property

GROUND RENT
BT Rent

GROUND TEMPERATURE
BT Earth temperature

GROUND VEHICLES
NT Bicycles
Passenger vehicles
Snow vehicles
Trailers
RT Fire fighting vehicles
Highway trains

GROUND WATER
NT Saline ground water
Under flow

GROUND WATER
EXCLUDES SURFACE WATERS
UF Meteoric water
Phreatic water
Underground water
BT Water
NT Artesian water
Connate water
Perched water
RT Aquifers
Artesian wells
Bottom water
Brackish water
Darcys law
Fresh water
Geology
Gravitational water
Ground water recharge
Hydraulic conductivity
Hydrogeology
Hydrology
Infiltration galleries
Percolation
Precipitation (meteorology)
Pervious soils
Piezometry
Railroad tunnels
Retention
Outflows
Subsurface moisture
Surface-ground water relationships
Underground water storage
Profiles
Recharge wells
Soil water
Springs (water)
Water costs
(Continued)

GROUND WATER (Continued)
RT Water prospecting
Water resources
Water Supply
Water supply systems
Water storage
Water sources
Water table
Water wells
Zone of saturation

GROUND WATER
UF Pierotic water
Unconfined water
Underground water
BT Fluids
Subsurface waters
Water
NT Artesian water
Confined water
Malenclaves
Perched water
Percolating water
Saline groundwater
Underflow
RT Conjuctive use
Effluent streams
Geohydrologic units
Ground water basins
Ground water depletion
Ground water flow
Ground water geology
Ground water hydrology
Ground water management
Ground water mining
Ground water movement
Ground water quality
Ground water sources
Infiltration
Influent streams
Irrigation wells
Karst
Land subsidence
Leaching
Safe yield
Saline water
Saline water intrusion
Saturation
Saturation zones
Seepage
Shallow wells
Sinkholes
Sinks
Soil moisture movement
(Continued)

GROUND WATER (Continued)
RT Soil water relationship
Soil water storage
Specific capacity
Spreading basins

GROUND WATER BARRIERS
BT Barriers
RT Aquifers

GROUND WATER BASINS
RT Aquifers
Basins
Geohydrologic units
Ground water
Ground water sources
Hydrologic models
Subsurface waters
Watersheds (basins)
Water table
Water wells
Water yield

GROUND WATER CONTAMINATION
RT Water supply

GROUND WATER DEPLETION
BT Depletion
RT Drawdown
Geohydrologic units
Ground water
Pumping
Subsidence
Water table
Water wells

GROUND WATER FLOW
UF Underground flow
BT Flow
Fluid flow
Movement
Porous media flow
RT Aquifers
Drawdown
Field permeability tests
Ground water
Hydrologic models
Hydrology
Outflows
Seepage
Springs (water)
Water table

GROUND WATER GEOLOGY
BT Geology
Hydrogeology
RT Aquifers
Erosion
Geohydrologic units
Geophysics
Gravels
Ground water
Hydrologic aspects
Hydrologic models
Hydrology
Precipitation (atmospheric)
Springs (water)

GROUND WATER HYDROLOGY
BT Hydrogeology
Hydrology
RT Aquifers
Geology
Ground water
Ground water sources
Lakes
Precipitation (atmospheric)
Rivers
Surface waters
Water
Watersheds (basins)
Water table

GROUND WATER LATERITE SOILS
BT Intrazonal soils

GROUND WATER MANAGEMENT
BT Management
Water management (applied)
Water resources management
RT Field permeability tests
Ground water

GROUND WATER MINING
BT Mining
RT Depletion
Ground water
Hydrologic models
Pumping
Recharge
Water management (applied)
Water resources management
Water utilization
Water wells
Withdrawal

GROUND WATER MOUNDS
RT Ground water sources
Water table

GROUND WATER MOVEMENT
BT Flow
Movement
Porous media flow
RT Diffusion
Discharge (water)
Flow patterns
Ground water
Hydrologic models
Pumping
Runoff
Sediments
Seepage
Springs (water)
Unsteady flow

GROUND WATER PODZOL SOILS
BT Intrazonal soils

GROUND WATER POTENTIAL
RT Ground water sources
Water

GROUND WATER QUALITY
RT Ground water
Water pollution sources
Water quality
Water quality control

GROUND WATER RECHARGE
UF Ground water spreading
Recharge (ground water)
BT Recharge
RT Aquifers
Artificial recharge
Flooding
Ground water
Ground water sources
Hydrologic models
Induced infiltration
Saline water intrusion
Seepage
Spreading basins
Water management (applied)
Water resources management

GROUNDWATER RESERVOIRS
USE AQUIFERS

GROUND WATER SOURCES
NT Antecedent precipitation
Drizzle
Effective precipitation
Excessive precipitation
Firn
Hail
Influent streams
Orographic precipitation
Perched water
Percolating water
Precipitation (atmospheric)
Rain
Snow
RT Aquifers
Ground water
Ground water basins
Ground water hydrology
Ground water mounds
Ground water potential
Ground water recharge
Infiltration
Injection wells
Saline ground water
Water management (applied)
Water resources management
Water supply forecasting
Water table
Zone of saturation

GROUND WATER SPREADING
USE GROUND WATER RECHARGE

GROUND WATER SURFACE
USE PHREATIC LINES

GROUND WATER-SURFACE RELATIONSHIPS
USE SURFACE-GROUND WATER RELATIONSHIPS

GROUNDING (ELECTRICAL)
USE ELECTRICAL GROUNDING

GROUPS (STATISTICS)
BT Population (statistics)

GROUT CURTAINS
BT Curtains
RT Construction
Grouting
Leakage
Sealants
Seepage

GROUT STOPS
RT Cracks
Grouting
Leakage

GROUT TAKE
RT Grouting

GROUTING
UF Foundation grouting
Injection grouting
NT Blanket grouting
RT Cements
Chemicals
Clays
Concrete placing
Construction
Dam construction
Dam design
Earth dams
Expansive clays
Foundations
Grout curtains
Grouting pressure
Grout stops
Grout take
Injection
Seepage control
Leakage
Mining
Mortars
Mudjacking
Sealants
Seepage
Watertight

GROUTING PRESSURE
BT Pressure
RT Grouting

GROWING PERIOD
RT Climatology
Environmental effects
Evapotranspiration
Growth stages
Metabolism
Plant growth
Productivity
Temperature
Time
Period of growth

GROWING SEASON
RT Fruiting

GROWTH
NT Crystal growth
Economic growth
Plant growth
Vegetation regrowth
Weed growth
RT Shrinkage
Trends

GROWTH (PLANT)
USE PLANT GROWTH

GROWTH CHAMBERS
RT Environments
Greenhouses

GROWTH OF POPULATION
BT Demography

GROWTH PATTERNS
RT Axial growth
Central growth

GROWTH POTENTIAL
RT Urban planning

GROWTH RATES
BT Rates
RT Environmental effects
Growth stages
Life cycles
Plant growth
Population
Productivity
Period of growth
Size

GROWTH STAGES
UF Stages of growth
NT Eggs
Insect eggs
Larvae
RT Aging (biological)
Animal physiology
Environmental effects
Growing period
Growth rates
Life cycles
Life expectancy
Life history studies
Metabolism
Plant growth
Size
Time
(Continued)

GROWTH STAGES (Continued)
RT Period of growth
Phenology

GRUMUSOLS
BT Intrazonal soils

GUANO
BT Manures

GUARANTEED ANNUAL INCOME
UF Guaranteed Income
Negative income tax
RT Income
Public assistance
Wages and salaries

GUARANTEED INCOME
USE GUARANTEED ANNUAL INCOME

GULFS
BT Bodies of water
Land forms
Surface waters
RT Aquatic habitats
Bays (topographic features)
Estuaries
Sea water
Water

GULLIES
BT Land forms
RT Ditches
Erosion
Ravines
Streams
Washouts

GULLY EROSION
BT Channel erosion
Erosion
RT Aggradation
Badlands
Bank erosion
Climatic change
Degradation (stream)
Grazing
Perturbation
Piedmont land forms
Piping
Quantitative geomorphology
Sediment transport
Sheet erosion
(Continued)

GULLY EROSION (Continued)
RT Soil erosion
Ravines
Pertubation
Piping (erosion)

GULLY EROSION
UF Gullying
BT Erosion
RT Channels
Cutting
Ditches
Erosion control

GULLYING
USE GULLY EROSION

GUMBO
BT Earth materials

GUMS
BT Forest products
NT Ammoniacum
Bassorin
Carob gum
Cashew gum
Catechu (cutch)
Gambier
Gamboge
Guar gum
Gum arabic
Gum ghatti
Gum tragacanth
Karaya gum
Kino
Mesquite gum
Myrrh
Olibanum
Spruce gum
Wood-apple (gum)
RT Adhesives
Colloids
Resins

GUSTS
BT Wind (meteorology)
RT Storms
Surges

GUTS
RT Ravines

GUTTERS
USE DRAINS

GYMNOSPERMS
BT Plants (botany)
NT Balsam fir trees
Bristlecone pine trees
Coniferous trees
Conifers
Douglas fir trees
Fir trees
Grand fir trees
Hemlock trees
Jack pine trees
Juniper trees
Loblolly pine trees
Lodgepole pine trees
Noble fir trees
Pacific silver fir trees
Pine trees
Pinyon pine trees
Ponderosa pine trees
Red fir trees
Red pine trees
Scotch pine trees
White cedar trees
White fir trees
White pine trees
Yellow pine trees

GYPSUM ( SOIL AMENDMENT)
UF Land plaster
BT Soil amendments

GYRATION
NT Autorotation
Earth rotation
Rotation
RT Radius of gyration

GYRATORS
RT Ferrites
Network analysis theory
Phase shift circuits
Waveguides

HABITAT IMPROVEMENT
BT Wildlife management
RT Fish
Food and cover crops
Marsh management
Watershed management
Wildlife
Wildlife conservation
Wildlife habitats

HABITAT PREFERENCE
USE ANIMAL BEHAVIOR

HABITATS
BT Environments
Urban setting
NT Aquatic habitats
Deep water habitats
Overwintering sites
Terrestrial habitats
Wildlife habitats
RT Ecology
Environmental effects
Food and cover crops
Highway effects
Radioactivity effects
Post-impoundment
Sites
Social behavior
Synecology
Wildlife conservation

HAFNIUM
BT Metals
Transition metals
RT Hafnium isotopes

HAIL
UF Hailstones
Ice stones
BT Ground water sources
Ice
Precipitation (atmospheric)

HAIL CONTROL
RT Plant protection

HAILSTONES
USE HAIL

HALIDES
BT Chemical compounds
(Continued)

HALIDES (Controlled)
BT Inorganic compounds
NT Calcium chloride
Chlorides
Fluorides
Hydrogen fluoride
Sodium chloride
Sodium halides

HALF-BOG SOILS
BT Intrazonal soils

HALOCARBONS
USE HALOHYDROCARBONS

HALOGEN MINERAL DEPOSITS
USE NONMETALLIFEROUS MINERAL DEPOSITS

HALOHYDROCARBONS
UF Halocarbons
Halogenated hydrocarbons
NT Aldrin
Chlorohydrocarbons

HALOGENATED HYDROCARBONS
USE HALOHYDROCARBONS

HALOGENATED PESTICIDES
BT Organic pesticides
Pesticides
NT DDD
DDE
DDT
Chlorinated hydrocarbon pesticides
Endrin

HALOGENS
BT Chemical elements
Nonmetals
NT Bromine
Chlorine

HALOPHILIC PLANTS
USE HALOPHYTES

HALOPHYTES
UF Halophillic plants
BT Plants (botany)

HANDICAPPED
RT Housing for the handicapped

HARBORS
BT Navigable waters
RT Bodies of water
Coastal structures
Docks
Engineering structures
Excavation
Inland waterways
Rivers
Transportation
Underwater excavation

HARD RADIATION
USE IONIZING RADIATION

HARDENERS
USE HARDENING

HARDENING
UF Hardeners
NT Strain hardening
RT Aging (physical)
Coagulation
Quenching

HARDINESS
USE PLANT HARDINESS

HARDWOOD
BT Building materials
Materials
Wood
RT Coniferous forests
Conferous trees
Deciduous forests
Deciduous trees
Forests
Lumber
Trees

HARVESTERS
USE AGRICULTURAL MACHINERY

HARVESTING
NT Water harvesting
RT Crops
Standing crops

HARVESTING LOSSES
BT Crop losses

HAZARDOUS MATERIALS
NT Poisons

HAZARDS
NT Fire hazards
RT Fires
Forest fires
Safety
Toxic waste disposal

HEAD GATES
UF Turnout gates
BT Hydraulic gates

HEADWALLS
BT Walls
RT Canals
Flow control
Flumes
Intakes
Intake structures
Outlets
Outlet works

HEAD LOSSES
BT Losses
RT Hydraulic design

HEADWATERS
RT Rivers
Streams
Upstream
Watersheds (basins)

HEADWORKS
BT Engineering structures
Hydraulic structures
RT Canals
Entrances (fluid flow)
Flow
Flow control
Gates
Hydraulic engineering
Hydraulic gates
Intakes
Intake structures
Outlets
Outlet works
Water

HEALTH
NT Mental institutions
Public health
RT Safety
Sanitation

HEALTH OCCUPATIONS EDUCATION
BT Vocational education

HEALTH SURVEYS
BT Surveys

HEAT
BT Energy
NT Latent heat
Waste heat
RT Energy balance
Heating
Heating plants
Temperature
Thermal energy
Thermal power
Thermal properties
Thermodynamics

HEAT BALANCE
UF Heat loss
RT Materials balance

HEAT BUDGET
RT Thermal capacity

HEAT ENGINES
USE ENGINES

HEAT EXCHANGE
USE HEAT TRANSFER

HEAT LOSS
USE HEAT BALANCE

HEAT POLLUTION
USE THERMAL POLLUTION

HEAT PROPERTIES
USE THERMAL PROPERTIES

HEAT RADIATION
USE THERMAL RADIATION

HEAT RECOVERY
UF Waste heat recovery

HEAT RESISTANT ALLOYS
NT Molybedenum alloys
Niobium alloys
Titanium alloys
Tungsten alloys
(Continued)

HEAT RESISTANT ALLOYS
RT Chromium alloys
Cobalt alloys
Heat resistance (materials)
Nickel alloys
Refractory metals

HEAT RESISTANCE (BIOLOGICAL)
BT Biological properties
RT Tolerances (plant)

HEAT TOLERANCE
USE PLANT HARDINESS

HEAT TRANSFER
UF Heat exchange
BT Energy transfer
Physical properties
Thermodynamics
Transfer
Transport phenomena
RT Mass transfer
Thermal diffusivity

HEATED WATER
BT Water types
RT Boiler feed water
Boilers
Cooling towers
Steam
Temperature
Thermal pollution
Thermal power
Thermal water
Waste water (pollution)
Water pollution sources
Water temperature

HEATING
BT Transport phenomena
RT Ducts
Evaporation
Frost protection
Gasification
Heat
Heating plants
Ice prevention
Temperature control
Thawing
Vaporization
Vaporizing

HEATING
UF Heating systems
Preheating
Thermal drilling
RT Snow removal

HEATING CODES
BT Building codes
Codes

HEATING FUELS
UF Heating oils

HEATING OILS
USE HEATING FUELS

HEATING PLANTS
BT Furnaces
Heat
Heating

HEATING SYSTEMS
USE HEATING

HEATS (ENERGIES)
USE THERMODYNAMIC PROPERTIES

HEAVING
NT Frost heaving
RT Expansive soils
Faults (geology)
Soil moisture
Soil physical properties
Tunneling

HEAVY METALS
BT Chemical elements
Metals
NT Lead (element)
RT Chemical wastes
Lead alloys
Lead radioisotopes
Water pollution sources

HEAVY WATER
BT Water
Water types

HELICOPTERS
BT Public transport

HELIPORTS
BT Airports
Public transport
Transit terminals

HEMICRYPTOPHYTES
BT Life forms (plants)

HEMLOCK TREES
UF Tsuga species
BT Coniferous trees
Conifers
Gymnosperms
Plants (botany)
Trees
RT Coniferous forests

HEPTACHLOR
BT Insecticides

HERBAGE
USE FORAGE PLANTS

HERBICIDES
UF Silvicides
Weedicides
BTC Chemicals
Pesticides
Poisons
RT Tolerances (plant)

HERBIVORES
RT Food chains

HERRINGS
BT Aquatic animals
Fishes
Vertebrates
RT Fresh water fishes
Marine fishes

HETEROGENEOUS REACTORS (NUCLEAR)
BT Nuclear reactors
NT Water cooled reactors

HETEROTROPHIC PLANTS

HICKORY TREES
BT Crops
Deciduous trees
Dicots
Fruit crops
(Continued)

HICKORY TREES (Continued)
BT Horticultural crops
Plants (botany)
Stone fruits
Trees

HIERARCHY
RT Systems of cities

HIERARCHY OF CITIES
BT Urban theories

HIGH ALTITUDE NUCLEAR EXPLOSIONS
USE NUCLEAR EXPLOSIONS

HIGH EXPLOSIVES
USE EXPLOSIVES

HIGH DENSITY LIVING
BT Density

HIGH GRADE RESIDENTIAL AREAS
BT Residential areas

HIGHLAND
BT Landscape

HIGH LAND VALUES
BT Land values

HIGH PRESSURE TESTS
BT Environmental tests

HIGH RENT NEIGHBORHOODS
BT Neighborhoods
Rent

HIGH RISE APARTMENTS
USE APARTMENT HOUSES

HIGH SPEED RAILROADS
BT Rapid transit

HIGH STRENGTH STEELS
BT Alloys
Chemical elements
Iron alloys
Materials
Metals
Steel

HIGH TEMPERATURE TESTS
BT Environmental tests

HIGH USE BUILDINGS
BT Buildings
RT Urban planning

HIGH VELOCITY
BT Velocity
RT Canal design
Channel flow
Critical flow
Design flow
Jets
River flow
Stream flow
Supercritical flow
Turbulent flow

HIGH VOLTAGE
BT Electric potential

HIGH WATER MARK
RT Banks
Boundaries (property)
Ownership of beds
Seashores
Streamflow
Tidal waters
Watercourses (legal)
Water level fluctuations

HIGHWAY BEAUTIFICATION
BT Urban amenities

HIGHWAY BRIDGES
RT Railroad bridges

HIGHWAY CONSTRUCTION
USE ROAD CONSTRUCTION

HIGHWAY ICING
RT Freezing
Highways
Ice
Seepage

HIGHWAY BEAUTIFICATION
BT Beautification
RT Highways
Public land
Shrubs
Vegetation establishment

HIGHWAY BRIDGES
BT Bridges (structures)
Engineering structures
RT Highways
Roads

HIGHWAY EFFECTS
BT Effects
Environmental effects
RT Ecology
Habitats
Highways
Wildlife

HIGHWAY ENGINEERING
BT Civil engineering
Engineering
RT Bridges (structures)
Drainage
Highways
Pavements
Roads
Surveying

HIGHWAY IMPROVEMENT
RT Highways

HIGHWAY INTERCHANGES
NT Clover leaf interchanges

HIGHWAY LIGHTING
UF Road lighting
Roadway lighting
BT Illuminating

HIGHWAY PATTERNS
NT Axial pattern
Radial patterns
Street patterns
Street plans

HIGHWAY PLANNING
BT Planning
RT Highways
Regional planning
Urban planning

HIGHWAY RELOCATION
UF Highways
BT Relocation
RT Highways

HIGHWAY ROADBEDS
USE HIGHWAYS

HIGHWAY TRAFFIC
USE VEHICULAR TRAFFIC

HIGHWAY TRAINS
RT Ground vehicles
Motor trucks

HIGHWAY TRANSPORT
BT Highways
Transport

HIGHWAY TRANSPORTATION
UF Motor transportation
Trucking
BT Transportation
RT Parking facilities
Vehicular traffic

HIGHWAY TRANSPORTATION PLANNING
BT Planning
RT Transportation

HIGHWAY TUNNELS
USE VEHICULAR TUNNELS

HIGHWAYS
UF Highway relocation
Highway roadbeds
Major highways
Through highways
BT Roads
NT Belt highways
Limited access highways
Parkways
Toll raods
Beltway
Boulevards
By pass expressways
Depressed freeways
Diamond interchanges
Express highways
Freeway displacement
Highway transport
Interchanges
Interstate highways
Limited access highways
Storage highway landscape development
Toll roads
Turnpikes
(Continued)

HIGHWAYS (Continued)
NT Underpasses
Viaducts
Expressways
Clover leaf intersections
Overpasses
Road junctions
Road metals
Roadsides
Speed change lanes
Urban highways
RT Base courses
One way streets
Pavements
Paving
Road banks
Road construction
Road design
Road planning
Vegetation establishment

HIGHWAYS
UF Expressways
BT Roads
NT Scenic highways
RT Bridge decks
Highway beautification
Highway bridges
Highway effects
Highway engineering
Highway icing
Highway improvement
Highway planning
Highway relocation
Landscaping
Lighting
Location

HILL TOWNS
BT Community types
Urban type

HILLS
BT Topographic features
RT Coastal topographic features
Land forms
Mesas (land forms)
Mountains
Submarine topographic features

HINTERLAND
BT Central place theory
Geographic factor
Regions

HINTERLAND CITIES
BT Types of cities

HINTERLAND COMMUNITIES
BT Cities

HISTORIC PRESERVATION
RT Urban renewal
Historic sites

HISTORIC SITES
NT Preservation
Restoration
RT Historic preservation

HISTORICAL BUILDINGS
BT Buildings
NT Architectural control

HISTORICAL MARKERS
BT Monuments

HISTORY
UF Chronology
BT Social sciences
NT Agricultural history
Economic history
Urban studies
RT Political science
Sociology

HOBOHEMIA
BT Community types

HOGS
UF Swine
BT Livestock

HOISTING MACHINERY
UF Derricks
Gantry cranes
Lifting machinery
BT Materials handling equipment
NT Gate hoists
RT Floodgates
Gate control
Slide gates

HOME ACCIDENTS
USE ACCIDENTS

HOME ECONOMICS EDUCATION
BT Vocational education
NT Homemaking education
Occupational home economics

HOME ECONOMICS GAINFUL EMPLOYMENT
USE OCCUPATIONAL HOME ECONOMICS

HOME ECONOMICS WAGE EARNING
USE OCCUPATIONAL HOME ECONOMICS

HOMEMAKING EDUCATION
BT Home economics education

HOME OWNERSHIP
RT Real estate business
Taxation

HOME OWNERSHIP COSTS
RT Building costs
Housing costs

HOMES
USE HOUSES

HOMESITES
USE SITE SELECTION

HOMESTEAD
BT Real property
RT Agriculture
Spatial location

HOMESTEAD ASSOCIATIONS
USE SAVINGS AND LOAN ASSOCIATIONS

HOMESTEAD EXEMPTION
USE HOMESTEAD LAW

HOMESTEADING
UF Subsistence homesteads
BT Land settlement
RT Land grants
Public land

HOMESTEAD LAW
UF Homestead exemption
BT Agricultural legislation

HOMING BEHAVIOR
USE ANIMAL BEHAVIOR

HOOFED ANIMALS
USE UNGULATA

HORDEUM VULGARE
UF Barley
BT Cultivated grasses

HORMONES
UF Biocatalysts
NT Adrenal cortex hormones
Androgens
Antidiuretic hormone
Corpus luteum hormones
Corticotropin
Estrogens
Follicle-stimulating hormone
Gonadotropins
Insulin
Kinins
Luteotropin
Oxytocin
Parathyroid hormone
Parotin
Plant hormones
Prolan
Relaxin
Somatotropin
Vasopressin
RT Endocrine glands
Secretion
Steroids

HORIZONTAL LOADS
BT Loads (forces)

HORSES
BT Equines
Eutheria
Mammals
Perissodactyla
Ungulata
Vertebrates
RT Domestic animals
Livestock

HORTICULTURE
NT Fruit (culture)
RT Gardening
Horticultural crops
Plant breeding
Plant pathology
Plants (botany)
Turf grasses
Weed control

HORTICULTURAL CROPS
BT Crops
Plants (botany)
NT Alfalfa
Ash trees
Birch trees
Black locust trees
Brush
Cacti
Chapparral
Citrus fruits
Cottonwoods
Deciduous trees
Forage legumes
Fruit crops
Hickory trees
Legumes
Maple trees
Oak trees
Orchards
Rabbitbush
Sagebrush
Shrubs
Stone fruits
Sycamore trees
Willow trees
RT Frost protection
Horticulure
Industrial crops
Water hyacinth

HOSPITALS
RT Buildings
Facilities

HOT SPRINGS
BT Running waters
Springs (water)
Thermal springs
NT Geysers
RT Geothermal powerplants
Juvenile water
Lake bottom springs
Thermal water
Warm springs

HOT WINDS
NT Chinook
RT Dew point
Land breezes
Moisture content

HOTELS
BT Public buildings
Residential buildings
RT Commercial buildings

HOUSE CONVERSION
NT Houses - maintenance and modernization

HOUSE CONSTRUCTION
USE BUILDING INDUSTRY

HOUSE INSPECTION
USE BUILDING INSPECTION

HOUSE MAINTENANCE AND MODERNIZATION
USE HOUSES - MAINTENANCE AND MODERNIZATION

HOUSE NUMBERING
BT Location systems

HOUSE PLANS
RT Houses - maintenance and modernization
Farmhouse plans

HOUSE REMODELING
USE HOUSES - MAINTENANCE AND MODERNIZATION

HOUSE SIZE
RT Space considerations

HOUSEHOLD CONSUMERS
RT Consumers

HOUSEHOLD FORMATION
RT Population projection

HOUSEHOLDS
RT Consumption patterns

HOUSES
UF Bungalows
Cottages
Dwellings
Homes
(Continued)

HOUSES (Continued)
UF Mobile homes
Residences
BT Residential buildings
NT Farmhouses
Log houses
Owner-built houses
Prefabricated houses

HOUSES, APARTMENT
USE APARTMENT HOUSES

HOUSES, BASEMENTLESS
USE BASEMENTLESS HOUSES

HOUSES, DEMOUNTABLE
USE DEMOUNTABLE HOUSES

HOUSES-DEPRECIATION
USE DEPRECIATION AND OBSOLESCENCE (BUILDINGS)

HOUSES, EXPANSIBLE
USE EXPANSIBLE HOUSES

HOUSES, EXPERIMENTAL
USE EXPERIMENTAL HOUSES

HOUSES-MAINTENANCE AND MODERNIZATION
UF House maintenance and modernization
House remodeling
Houses remodeling
Maintenance and modernization
Modernization (houses)
Rehabilitation (houses)
Remodeling (houses)
Repair (houses)
BT House conversion
House plans

HOUSES, MODEL
USE MODEL HOUSES

HOUSES, PORTABLE
USE DEMOUNTABLE HOUSES

HOUSES, PREFABRICATED
USE PREFABRICATED CONSTRUCTION

HOUSES, REMODELING
USE HOUSES-MAINTENANCE AND MODERNIZATION

HOUSES, TRADE-IN
USE TRADE-IN HOUSES
TRADE-IN HOUSING

HOUSING
UF Residential buildings
NT Aided self-help housing
Church and social problems
Company housing
Cooperative housing
Defense housing
Demountable houses
Emergency houses
Housing costs
Limited dividend housing
Public housing projects
RT Impact of industry
Farm housing
Nonprofit housing organizations
Rent subsidies
Residential areas
Universities and colleges-housing
Vacancy surveys
Veterans' housing

HOUSING ACTS
BT Government regulations
RT Political administration

HOUSING AND THE CHURCHES
USE CHURCH AND SOCIAL PROBLEMS

HOUSING AUTHORITIES
NT Local housing authorities
Metropolitan housing authority

HOUSING CODES
BT Amenities
Codes
NT Obsolete housing codes
RT Housing law enforcement

HOUSING CONDITIONS
RT Obsolete housing

HOUSING - COSTS
UF Housing costs
BT Housing
RT Cost of living
Home ownership costs

HOUSING COURTS
USE HOUSING LAW ENFORCEMENT

HOUSING CYCLES
USE BUILDING CYCLES

HOUSING DEMAND
USE HOUSING MARKET

HOUSING DEVELOPMENTS
BT Developments
RT Development
Planning

HOUSING - FINANCE
USE MORTGAGE FINANCE

HOUSING FOR SINGLE PERSONS
UF Single persons - housing

HOUSING FOR THE AGED
BT Federal housing programs
Nursing homes

HOUSING FOR THE HANDICAPPED
RT Disabled
Handicapped

HOUSING - INDIANS
RT Indians

HOUSING INDUSTRY
USE BUILDING TRADES

HOUSING LAW ENFORCEMENT
UF Housing courts
RT Housing legislation
Housing codes
Neighborhood rehabilitation

HOUSING LEGISLATION
UF Housing - legislation
BT Legislation
RT Housing law enforcement
Public housing

HOUSING, LOW INCOME
USE LOW INCOME HOUSING

HOUSING MANAGEMENT
UF Building management
Housing - management
(Continued)

HOUSING MANAGEMENT (Continued)
UF Real property - management
RT Property management

HOUSING MARKET
UF Housing demand
NT Odd lot housing market
Second house market
RT Market surveys
Operation break through
Trade in housing

HOUSING MARKET ANALYSIS
RT Survey methods

HOUSING POLLS
USE PUBLIC OPINION POLLS

HOUSING PROJECTS
UF Project planning
RT Technical assistance programs

HOUSING PROJECTS
USE RESIDENTIAL BUILDINGS

HOUSING PROJECTS, GOVERNMENT
USE PUBLIC HOUSING PROJECTS

HOUSING PROPROJECTS, GOVERNMENT
USE PUBLIC HOUSING PROJECTS

HOUSING PROJECTS, GOVERNMENT
USE PUBLIC HOUSING

HOUSING PROJECTS - MAINTENANCE
USE BUILDING MAINTENANCE

HOUSING - RESEARCH
USE HOUSING - RESEARCH

HOUSING RESEARCH CONTRACTS
BT Contracts
Federal contracts

HOUSING STANDARDS
BT Building standards

HOUSING - STATE PROGRAMS
USE DIRECT STATE LOANS FOR HOUSING
PUBLIC HOUSING
STATE AIDED HOUSING PROGRAMS

HOUSING STATISTICS
UF Housing - statistics
RT Building industry
Building permits

HOUSING SUBSIDIES
USE PUBLIC HOUSING
RENT SUBSIDIES
RENTAL HOUSING

HOUSING SURVEYS
UF Housing surveys
RT Survey methods
Vacancy surveys

HOUSING VACANCIES
USE VACANCY SURVEYS

HUMAN DEMOGRAPHY
BT Demography

HUMAN ECOLOGY
BT Ecology
Sociology
RT Communities
Social psychology

HUMAN ENGINEERING
RT Education
Environmental engineering
Efficiencies
Environments
Psychology

HUMAN GEOGRAPHY
NT Ethnography
Ethnology

HUMAN MOBILITY
BT Mobility

HUMAN RESOURCES
BT Resources
RT Community structure
Economics
Efficiencies
Social aspects

HUMID AREAS
UF Environments
BT Regions
RT Geochemistry
Rainfall

HUMID CLIMATES
BT Climate
RT Forests
Pedalfers
Podzols
Yellow podzolic soils

HUMIDITY
BT Moisture
Moisture content
RT Climatology
Dew point
Hydrometeorological station
Hygrometry
Meteorology
Precipitation (atmospheric)
Soil moisture
Saturation deficit
Water
Water content
Water vapor
Weather
Wet bulb depression

HUMUS
BT Decomposing organic matter
Organic matter
RT Bogs
Degradation (decomposition)
Loams
Organic soils
Plant residues (organic)
Soil types

HUNTING
BT Outdoor recreation
RT Big game
Recreation
Small game
Waterfowl
Water sports
Water utilization
Wildlife

HURRICANES
BT Storms
Tropical cyclones
RT Clouds
Surges
Warning systems
Wind (meteorology)
Wind resistance

HYACINTH (WATER)
USE WATER HYACINTH

HYDRANTS
NT Fire hydrants
RT Hydraulic valves
Water distribution
Water of hydration
Water pipelines

HYDRATION
RT Water of hydration

HYDRAULIC CLASSIFIERS
RT Sand tanks

HYDRAULIC CONDUCTIVITY
UF Conduction (hydraulic)
Conductivity (hydraulic)
BT Conductivity
Hydrologic properties
Physical properties
RT Darcys law
Drain spacing
Ground water
Ground water flow
Ground water movement
Hydrogeology
Infiltration
Percolation
Permeability
Phreatic water
Pores
Porous media
Saturated flow
Soil moisture movement
Tile spacing

HYDRAULIC DESIGN
BT Design
RT Design flow
Flow
Flow resistance
Head losses
Hydraulic engineering
Hydraulics
Roughness (hydraulics)

HYDRAULIC ENGINEERING
UF Engineers (hydraulic)
Hydraulic engineers
BT Civil engineering
Engineering
(Continued)

HYDRAULIC ENGINEERING (Continued)
RT Canals
Dams
Headworks
Hydraulic design
Hydraulic models
Hydraulics
Hydraulic structures
Reservoirs
River regulation
Water

HYDRAULIC ENGINEERS
USE HYDRAULIC ENGINEERING

HYDRAULIC EQUIPMENT
UF Hydraulic machinery
Hydraulic systems
NT Gate control
Hydraulic machinery
Hydraulic turbines
Intake gates
Pumps
Water wheels
Hydraulic valves

HYDRAULIC EXCAVATION
BT Excavation

HYDRAULIC FILL DAMS
BT Dams
Earth dams
Earthworks
RT Construction
Earthfill
Embankments
Fills

HYDRAULIC FILLS
BT Earthfill

HYDRAULIC FLUID FILTERS
BT Liquid filters

HYDRAULIC GATES
BT Gates
NT Floodgates
Head gates
Intake gates
Slide gates
Sluice gates
Turnout gates
RT Floatwells
Gate control
(Continued)

HYDRAULIC GATES (Continued)
RT Headworks
Spillways
Weirs

HYDRAULIC GRADIENT
BT Gradients

HYDRAULIC LABORATORIES
BT Facilities

HYDRAULIC MACHINERY
UF Hydraulic equipment
BT Hydraulic equipment
Machines
NT Hydraulic turbines
Kaplan turbines
Pumps
RT Air admission

HYDRAULIC MINE-FILLING
RT Hydraulic mining
Hydraulic mining water
Hydraulic transportation
Landfills
Mineral industry

HYDRAULIC MINING
BT Mining
RT Flooding
Gravels
Hydraulic mine-filling
Mines

HYDRAULIC MINING WATER
BT Water types
RT Hydraulic mine-filling
Mine water
Prior appropriation
Riparian rights

HYDRAULIC PRESSURE
BT Pressure
RT Grouting pressure
Height
High pressure
High pressure gates
High pressure valves
Hydraulic equipment
Hydrodynamic pressure
Hydrodynamics
Hydrostatic pressure
(Continued)

HYDRAULIC PRESSURE (Continued)
RT Hydrostatics
Loads (forces)
Pressure head
Pressure measuring instruments
Rapid drawdown
Relief wells
Specific head
Water levels
Water pressure

HYDRAULIC ROUGHNESS
USE ROUGHNESS (HYDRAULIC)

HYRAULIC STRUCTURES
BT Engineering structures
Structures
NT Aqueducts
Breakwaters
Canals
Check dams
Check structures
Closed conduit spillways
Cofferdams
Conduits
Conveyance structures
Dams
Diversion dams
Diversion structures
Diversion tunnels
Drops (structures)
Flumes
Headworks
Intake structures
Intake towers
Laterals
Levees
Masonry dams
Navigation dams
Offshore platforms
Pipelines
Plunge basins
Sea walls
Self-spillway dams
Settling basins
Ski-jump spillways
Sluices
Spillways
Thin arch dams
Wasteways
Venturi flumes
Water tunnels (conveyance)
RT Flood control
(Continued)

HYDRAULIC STRUCTURES (Continued)
RT Flow around objects
Hydraulic engineering
Ice loads
Public works
Storage tanks
Stream improvement
Stream stabilization
Tidal power plants
Water collection systems
Water control
Water conveyance
Water storage

HYDRAULIC SYSTEMS
USE HYDRAULIC EQUIPMENT

HYDRAULIC TRANSPORTATION
RT Hydraulic mine filling

HYDRAULIC TURBINES
UF Water turbines
BT Hydraulic equipment
Hydraulic machinery
Rotating machines
Turbines
NT Axial flow turbines
Bulb turbines
Deriaz pump turbine
Francis turbines
Impulse turbines
Kaplan turbines
Pelton turbines
Pump turbines
Tube turbines

HYDRAULIC VALVES
BT Hydraulic equipment
Valves
NT Gate valves
RT Water pipelines

HYDRAULICS
UF Hydromechanics
BT Engineering mechanics
Fluid mechanics
Mechanics
NT Tunnel hydraulics
RT Boundary conditions
Boundary processes
Energy equation
Engineering mechanics
(Continued)

HYDRAULICS (Continued)
RT Flow around objects
Flow characteristics
Flow profiles
Gate control
Hydraulic design
Hydraulic engineering
Regime
River flow
Pumping
Seepage
Stream flow
Stream flow depletion
Test canals
Water circulation
Weirs

HYDRAULICS (RIVER)
USE OPEN CHANNEL FLOW

HYDROBIOLOGY
USE AQUATIC BIOLOGY

HYDROCARBONS
BT Chemical compounds
Organic compounds
NT Asphalts
Petroleum

HYDROELECTRIC PLANTS
UF Hydroelectric power generation
RT Federal power act

HYDROELECTRIC POWER
UF Water power
BT Electric power
Power

HYDROELECTRIC POWER GENERATION
UF Hydroelectric plants
Water power
BT Electric power generation
RT Pumped storage
Water intakes

HYDROELECTRIC POWERPLANTS
BT Electric powerplants
Industrial plants
Powerplants
RT Hydroelectric project licensing

HYDROELECTRIC PROJECT LICENSING
RT Electric power
Federal power act
Hydroelectric powerplants
Permits

HYDROELECTRIC RESOURCES
BT Natural resources
Resources
Water resources

HYDROGEN
BT Nonmetals

HYDROGEN CYANIDE
RT Cyanides

HYDROGEN FLUORIDE
BT Fluorides
Halides
Hydrogen inorganic compounds

HYDROGEN INORGANIC COMPOUNDS
NT Hydrogen fluoride

HYDROGEN ISOTOPES
BT Isotopes
Nuclides
NT Deuterium
Tritium
RT Hydrogen

HYDROGEN SULFIDE
BT Chemical compounds
Inorganic compounds
Sulfides
Sulfur compounds

HYDROGEOLOGY
BT Geology
NT Ground water geology
Ground water hydrology
RT Aquifer characteristics
Aquifers
Deposition
Drainage density
Engineering geology
Erosion
Geohydrologic units
Geologic control
Geologic investigations
Geologic mapping
(Continued)

HYDROGEOLOGY (Continued)
RT Geology
Geomorphology
Geophysical prospecting
Geophysics
Ground water
Ground water basins
Hot springs
Hydraulic conductivity
Hydrologic aspects
Hydrologic models
Hydrology
Marine geology
Paleoclimatology
Phreatic water
Springs (water)
Stratigraphy
Stream drainage patterns
Streams
Strip aquifers
Structural geology
Underground streams
Vadose Water
Warm springs
Subsurface waters
Surface waters
Underground streams
Water wells

HYDROGRAPHIC CHARTS
BT Maps
RT Base maps
Oceanographic charts

HYDROGRAPHIC SURVEYS
BT Surveys
RT Aerial surveys
Depth sounding
Photogrammetry
Plane surveys

HYDROGRAPHS
RT Flood routing
Infiltration
Rainfall-runoff relationships
River regulation
Safe yield
Stream flow
Stream flow depletion
Stream flow forecasting
Stream gages
Surface runoff
Water levels
Water properties

HYDROGRAPHS (RAINFALL)
USE RAINFALL

HYDROGRAPHY
BT Hydrologic aspects
RT Geophysics
Hydrology
Limnology
Measurements
Routing
Surface waters
Surveys
Water

HYDROLOGIC ASPECTS
NT Extraterrestrial hydrology
Hydrography
Paleolimnology
Parametric hydrology
Synthetic hydrology
RT Ground water geology
Limnology

HYDROLOGIC CYCLE
UF Water cycle
BT Cycles
RT Evaporation
Hydrology
Precipitation (meteorology)
Surface waters
Transpiration

HYDROLOGIC DATA
RT Climatic data
Depth-area-duration analysis

HYDROLOGIC MODELS
BT Models
Model studies
NT Aquifer models
RT Ground water basins
Ground water flow
Ground water geology
Ground water mining
Ground water movement
Ground water recharge
Hydraulic engineering

HYDROLOGIC PROPERTIES
BT Properties
(Continued)

HYDROLOGIC PROPERTIES (Continued)
NT Capillary conductivity
Hydraulic conductivity
Permeability
RT Soil physical properties
Water properties

HYDROCARBONS
BT Chemical compounds
Organic compounds
NT Bitumens
Bituminous cements
Bituminous concretes
Bituminous materials
Coal tar

HYDROGRAPHS
UF Characteristic hydrographs
NT Flood hydrographs
Unit hydrographs

HYDROLOGIC INSTRUMENTS
UF Instruments (hydrologic)
BT Instrumentation
NT Precipitation gages
Stream gages
Weir gages
RT Water metering
Water stage recorders

HYDROLOGIC YEAR
USE WATER YEAR

HYDROLOGY
UF Geohydrology
NT Flood hydrology
Ground water hydrology
RT Earth hydrosphere
Evapotranspiration
Flood control
Flood estimate
Flood forecasting
Flood hydrographs
Flood peaks
Flood routing
Flood stages
Ground water
Ground water flow
Ground water geology
Hydrology
Hydrography
Hydrologic cycle
(Continued)

HYDROLOGY (Continued)
RT Infiltration
Intensity
Large watersheds
Limnology
River basins
River currents
River regulation
Stream flow
Stream drainage patterns
Water conservation
Water storage
Water supply

HYDROMECHANICS
USE HYDRAULICS

HYDROMETEOROLOGICAL STATION
BT Stations
NT Stream gaging station
RT Evaporation
Humidity
Streamflow records
Temperature
Weather data

HYDROMETERS
RT Liquids

HYDROMETRY
RT Gravimetry

HYDROMETALLURGY
RT Cyaniding (beneficiation)

HYDROPHILIC ANIMALS
USE AQUATIC ANIMALS

HYDROPONICS
RT Aquiculture
Cultures
Environments

HYDROSCOPIC WATER
UF Hygroscopic water
BT Moisture
Soil moisture
Soil water
Subsurface waters
Vadose water
Water
Water types
RT Absorption
(Continued)

HYGROSCOPIC WATER
RT Adsorbed water
Adsorption
Bound water
Capillary water
Earth-water interfaces
Gravitational water
Humidity
Moisture availability
Wettability

HYDROSTATIC PRESSURE
BT Water pressure

HYDROSTATICS
RT Liquids

HYDROTREAT
USE WATER TREATMENT

HYGIENE
UF Cleanliness
NT Industrial hygiene
Military hygiene
RT Public health
Sanitary engineering

HYGIENIC CITIES
RT Clean cities

HYGROMETRY
RT Humidity

HYMENOPTERA
UF Wasps
BT Arthropoda
Insects
Invertebrates
Pterygota
NT Formicidae

HYPABYSSAL ROCKS
USE VOLCANIC ROCKS

HYPONATREMIA
RT Water intoxication

ICE
NT Anchor ice
Floating ice
Frazil ice
Glaciers
Hail
Icebergs
Lake ice
Rime
Sea ice
RT Frost prevention
Highway icing
Ice breakup
Ice cover
Ice crystals
Ice lakes
Ice formation
Ice jams
Ice lenses
Ice loads
Ice nuclei
Ice pressure
Ice prevention
Ice-water interfaces
Sleet
Snow
Winter-killing

ICE BERGS
BT Ice

ICE BREAKUP
RT Ice
Rivers

ICE COVER
RT Ice

ICE CRYSTALS
BT Crystals
RT Freezing
Ice

ICE FISHING
BT Fishing
Winter sports
RT Freshwater fish

ICE FORMATION
RT Freezing
Ice

ICE HOUSES
BT Farm buildings

ICE ISLANDS
RT Islands (land forms)

ICE JAMS
RT Ice
Rivers
Streams

ICE LENSES
RT Freezing
Frozen soils
Ice
Temperature

ICE LOADS
BT Loads (forces)
RT Hhydraulic structures
Ice
Live loads
Pressure
Transmission lines

ICE NUCLEI
RT Ice
Weather modification

ICE PRESSURE
BT Pressure
RT Ice
Loads (forces)

ICE PREVENTION
RT Entrances (fluid flow)
Frost prevention
Heating
Ice
Intakes

ICE STONES
USE HAIL

ICE-WATER INTERFACES
UF Water-ice interfaces
BT Boundaries (surfaces
Interfaces
RT Ice

ICED LAKES
BT Bodies of water
(Continued)

ICED LAKES (Continued)
BT Standing waters
Surface waters
RT Ice

ICHTHYOLOGY
USE FISH

IDEAL CITIES
BT Types of cities

IDEAL COMMUNITY
BT Planning

IGNEOUS PETROLOGY
BT Petrology

IGNEOUS ROCKS
BT Crystalline rocks
Rocks
NT Acidic rock
Basic rocks
Intermediate rocks
Lava
Perlite
Plutonic rocks
Volcanic rocks
RT Dikes
Geologic formations
In situ rock

ILLUMINATED SIGHTS
USE ILLUMINATING

ILLUMINATING
UF Illuminated sights
Lighting
NT Commercial lighting
Exterior lighting
Highway lighting
Residential lighting

ILLUSTRATIONS
USE GRAPHIC ARTS

IMHOFF TANKS
USE SEWAGE TREATMENTS

IMMERSION TESTS (CORROSION)
BT Environmental tests

IMMIGRANTS
BT Population groups

IMMIGRATION
BT Mobility

IMMIGRATION (PLANT)
USE VEGETATION ESTABLISHMENT

IMPACT
RT Impingement

IMPACT LOADS
BT Loads (forces)

IMPACT OF INDUSTRY
RT Housing
Industrial location

IMPEDANCE (ELECTRICAL)
USE ELECTRICAL IMPEDANCE

IMPERMEABILITY
USE PERMEABILITY

IMPERVIOUS SOILS
BT Soils
Earth materials
RT Clay soils
Mud

IMPERVIOUS LININGS
BT Linings

IMPINGEMENT
NT Water impingement
RT Erosion
Impact

IMPORTS
USE FOREIGN TRADE

IMPOUNDED WATERS
RT Catchments
Reservoirs
Stock ponds

IMPOUNDMENTS
BT Bodies of water
NT Farm ponds
Multiple purpose reservoirs
(Continued)

IMPOUNDMENTS (Continued)
NT Reservoirs
RT Lakes
Post-impoundment

IMPROVED LAND VALUES
BT Finance
RT Land

IMPULSE NOISE
USE ELECTROMAGNETIC NOISE

IN TOWN RESIDENTIAL DEVELOPMENTS
BT City housing

INCINERATION
BT Waste management
RT Disposal
Drying
Refuse disposal
Solid waste disposal
Solid wastes
Wastes

INCLINATION
USE SLOPE

INCINERATORS
RT Air pollution
Buildings
Furnaces
Industrial plants
Refuse disposal
Sewage treatment
Sewage works

INCOME
NT Family income and expenditure
National income
RT Low income housing
Taxes
Tourism

INCOME TAXES
BT Taxes

INCOMPRESSIBLE FLOW
RT Liquids

INCORPORATED BOROUGHS
BT Governmental unit

INCORPORATED CITIES
BT Cities
Types of cities

INCORPORATED MUNICIPALITIES
BT Urban administration

INCORPORATION
BT Local government structure
Urban administration

INDEXING
RT Information retrieval
Information science
Keywords

INDEXES (RATIOS)
BT Ratios
RT Scale (ratio)

INDIAN RESERVATIONS
BT Federal reservations
RT National historic sites
Public land

INDIANS
BT Ethnic groups
Minority groups
RT Housing - Indians

INDICATOR ORGANISMS
USE INDICATOR SPECIES

INDICATOR PLANTS
USE INDICATOR SPECIES

INDICATOR SPECIES
UF Indicator organisms
Indicator plants
RT Aquatic biology
Distribution (property)
Pollution
Water masses

INDICATORS
RT Path of pollutants
Pollution identification

INDIVIDUALITY OF CITIES
BT Nature of cities

INDUCED INFILTRATION
BT Artificial recharge
Recharge
Water management (applied)
RT Ground water recharge
Infiltration
Injection wells
Percolation
Pumping
Water table
Water wells

INDUCED PRECIPITATION
UF Artificial precipitation
BT Precipitation (atmospheric)
Weather modification

INDUCTION MOTOR
BT Electric motors

INDUSTRIAL ACCIDENTS
USE ACCIDENTS

INDUSTRIAL BUILDINGS
BT Buildings
RT Commercial buildings
Industrial plants
Office buildings
Warehouses

INDUSTRIAL CONCENTRATION
RT Industrial decentralization

INDUSTRIAL CONSUMERS
BT Consumers

INDUSTRIAL COOLING
USE COOLING WATER

INDUSTRIAL CROPS
BT Crops
Plants (botany)
RT Agronomic crops
Forests
Horticultural crops
Orchards
Plant groupings
Trees

INDUSTRIAL DECENTRALIZATION
UF Decentralization
(Continued)

INDUSTRIAL DECENTRALIZATION (Continued)
UF Decentralization (industries)
RT Industrial concentration
Location theory

INDUSTRIAL DESIGN
USE DESIGN, INDUSTRIAL

INDUSTRIAL DEVELOPMENT
BT Developments
Industries
NT Urban industrial changes
Urban industrial transformation
RT Industrial buildings
Industrial growth
Tax incentives
Urban expansion

INDUSTRIAL DISTRICTS
UF Industrial parks
BT Industries
Land use
Urban area classification
Urban areas
NT Organized industrial districts
Planned industrial districts
RT Urban industrial matrix

INDUSTRIAL EFFLUENTS
USE INDUSTRIAL WASTES

INDUSTRIAL ENGINEERING
UF Engineers (industrial
Industrial engineers
BT Engineering
RT Industrial training
Management
Materials handling
Network analysis (management)
Personnel management
Productivity
Quality control
Standards

INDUSTRIAL ENGINEERS
USE INDUSTRIAL ENGINEERING

INDUSTRIAL GROWTH
RT Development
Industrial development
Planning

INDUSTRIAL HOUSING
USE COMPANY HOUSING

INDUSTRIAL INTELLIGENCE
BT Economic intelligence

INDUSTRIAL LAND
BT Land use
Spatial analysis
RT Building sites

INDUSTRIAL LAND USE
BT Land use
UF Industries
NT Industrial parks
RT Industrial property

INDUSTRIAL LAWS AND LEGISLATION
UF Law, industrial

INDUSTRIAL LOCATION
UF Plant location
Industries location of
BT Location theory
Spatial analysis
Urban analysis
NT Location quotient
RT Impact of industry
Site selection
Urban theories

INDUSTRIAL MANAGEMENT
UF Industrial relations
BT Management
RT Management methods
Personnel management
Production management
Project management

INDUSTRIAL MOBILIZATION
UF Industry-Wartime
RT National defense

INDUSTRIAL MOBILIZING
RT Economic mobilization

INDUSTRIAL PARKS
UF Business cycles
Industrial districts
BT Industrial land use
(Continued)

INDUSTRIAL PARKS (Continued)
BT Industrial planning
Industries
Land use
RT Plant location

INDUSTRIAL PLANNING
NT Industrial parks
Planned industrial tracts
RT Planned industrial districts

INDUSTRIAL PLANTS
UF Factories
Industrial property
Manufacturing plants
Plants (industries)
Asphalt planets
Canneries
Chemical plants
Concrete plants
Distilleries
Foundries
Gas plants
Packaged sewage plants
Refineries
Steel plants
Waterworks
NT Canneries
Electric powerplants
Geothermal powerplants
Hydroelectric powerplants
Mills
Nuclear powerplants
Packaged sewage plants
Power plants
Pumping plants
Refineries
Sawmills
Steel plants
Thermal powerplants
Tidal powerplants
Underground powerplants
RT Desalination plants
Incinerators
Industrial buildings
Industrial plant efficiencies
Industrial plant protection
Pilot plants
Plant layout
Plant location
Treatment facilities

INDUSTRIAL PLANT DESIGN
USE PLANT LAYOUT

INDUSTRIAL PLANTS (BOTANY)
USE ECONOMIC PLANTS

INDUSTRIAL POISONS
USE POISONS

INDUSTRIAL PRODUCTION
UF Production (industrial)
BT Production
RT Economic impact

INDUSTRIAL PROPERTY
UF Industrial plants
RT Industrial land use
Industrial sites
Planning

INDUSTRIAL RELATIONS
UF Industrial management

INDUSTRIAL SITES
NT Industrial suburbs
Outlying industrial sites
RT Industrial property

INDUSTRIAL STANDARDS
USE STANDARDS

INDUSTRIAL SUBURBS
BT Industrial sites

INDUSTRIAL TRAINING
RT Industrial engineering

INDUSTRIAL WASTE TREATMENT
BT Utilities

INDUSTRIAL WASTE TREATMENT
BT Waste treatment
NT Radioactive waste disposal
RT Sewage disposal
Sewage treatment
Sludge digestion
Trickling filtration
Water pollution
Water recirculation

INDUSTRIAL WASTES
BT Wastes
NT Black liquors
(Continued)

INDUSTRIAL WASTES (Continued)
NT Spent liquors (pulping)
Spent sulfite liquors
RT Exhaust gases
Pollution
Refuse
Saw mills
Sewage
Sewage disposal
Sewage sludge
Stream pollution
Soil contamination
Sulfite liquors
Tailings
Waste disposal
Waste water
Waste water treatment
Waste stabilization ponds
Water pollution

INDUSTRIAL WASTES
BT Pollution
RT Industries

INDUSTRIAL WASTES
UF Industrial effluents
BT Wastes
NT Coal mine wastes
Mine wastes
Pulp wastes
Strip mine wastes
RT Debris
Exhaust gases
Farm wastes
Pollution
Water pollution sources

INDUSTRIAL WATER
BT Water
NT Boiler feed water
Cooling water
Feed water
RT Recirculated water
Supplemental water
Waste water
Water consumption
Water costs
Water allocation (policy)
Water demand
Water policy
Water recirculation
Water supply
Water users
Water treatment

INDUSTRIAL WATER USE
RT Water supply

INDUSTRIAL ZONING REGULATIONS
BT Zoning

INDUSTRIALIZATION
RT Developing areas
Economic development
Economic policy
Industry
Urbanization

INDUSTRIALIZED BUILDING
USE FEDERAL HOUSING PROGRAMS
OPERATION BREAKTHROUGH
PREFABRICATED CONSTRUCTION

INDUSTRIES
UF Industrial land use
NT Aerospace industry
Chemical industry
Commercial fishing
Construction industry
Dairy industry
Electric power industry
Electrical industry
Industrial development
Industrial districts
Lumbering
Mineral industry
Nuisance industries
Oil industry
Pulp and paper industry
Steel industries
Textile industry
RT Economic development
Economic impact
Industrial wastes
Manufacturing
Planned industrial tracts
Social aspects
Urban industrial changes
Utilities
Youthful manufacturing cities

INDUSTRIES, LOCATION OF
USE INDUSTRIAL LOCATION

INDUSTRY
NT Agricultural industries
Cottage industries
Design, industrial
Fisheries
Munitions industries
Plastics industry
Rural industries
Textile industries
Wood-using industries
Industrialization
Overproduction
Production economics
Supply and demand
RT Industrialization
Wood-using industries

INDUSTRY CLUSTERS
BT Land use
Spatial analysis

INDUSTRY - WARTIME
USE INDUSTRIAL MOBILIZATION

INFILTRATION
UF Permeation
RT Ground water
Ground water sources
Hydrographs
Hydrology
Induced infiltration
Infiltrometers
Irrigation
Irrigation practices
Irrigation water
Leakage
Natural recharge
Penetration
Permeability tests
Pervious soils
Phreatic water
Porosity
Retention
Runoff
Saline water intrusion
Seepage
Soil management
Soil moisture
Soil physical properties
Soil properties
Soil types
Soil water
(Continued)

INFILTRATION (Continued)
RT Storage capacity
Surface storage
Unsaturated flow
Water loss
Water wells

INFILTRATION CAPACITY
RT Permeability tests

INFILTRATION GALLERIES
UF Filtration galleries
Radial wells
RT Ground water
Springs (water)
Water table
Water wells

INFILTRATION RATE
RT Intensity
Permeability tests
Unsaturated flow

INFILTROMETERS
RT Infiltration

INFLATABLE STRUCTURES
RT Extraterrestrial bases

INFLATION
BT Economic analysis
Economic conditions
RT Economic impact
Purchasing power

INFLOW
UF Water influx
RT Aquifers
Conduits
Discharge (water)
Flow
Leakage
Mine water
Penetration
Recharge
Reservoirs
Rivers
Routing
Seepage
Sewage
Streams
Wastes
Wells

INFLUENCE CHARTS
BT Charts
RT Effects
Footings
Foundations
Loads (forces)
Stress
Structural design
Structural members

INFLUENCE MINES
RT Shallow water mines

INFLUENT STREAMS
BT Bodies of water
Ground water sources
Streams
RT Ground water
Seepage
Water loss
Water table

INFORMATION
UF Data
NT Experimental data
Meteorological data
Tables (data)
RT Information science
Information theory

INFORMATION CENTERS
RT Documentation
Information retrieval
Information science
Libraries
Scientific societies

INFORMATION RETRIEVAL
UF Library searches
RT Computer programs
Documentationn
Indexing
Information centers
Reviews
Subject indexing

INFORMATION SCIENCE
RT Documentation
Indexing
Information
Information centers
Subject indexing
Translating

INFORMATION SYSTEMS
RT Computers
Documentation
Management
Management control reports

INFORMATION THEORY
BT Theory
RT Cybernetics
Communication theory
Data processing
Information
Operations research

INFRARED PHOTOGRAPHY
BT Photography
RT Aerial photography
Infrared detectors
Photographs
Photointerpretation
Temperature sensors

INGESTION (BIOLOGICAL)
USE DIGESTION

INJECTION
UF Water injection
RT Entrainment
Flooding
Grouting
Recharge
NT Water injection

INJECTION GROUTING
USE GROUTING

INJECTION WELLS
BT Water wells
Wells
RT Ground water sources
Induced infiltration
Recharge
Waste disposal
Waste water disposal
Water injection

INLAND NAVIGATION
UF Navigation, inland
RT Interior navigation
Transportation

INLAND WATERWAYS
BT Bodies of water
Channels
Navigable waters
Waterways
NT Navigable waters
RT Canals
Harbors
Rivers
Routing
Transportation

INLETS (DEVICES)
USE INTAKES

INLETS (WATERWAYS)
BT Bodies of water
Land forms
Waterways
RT Bays (topographic features)
Channels
Estuaries
Fjords
Harbors
Inland waterways
Jetties
Lagoons (land forms)
Marinas
Outlets
Tides

INNER CITY
RT Urban environment
Slums

INNER MOTORWAY SYSTEM
BT Transportation

INNERBELT
BT Roads

INNERBELT AREA
BT Geography
Urban areas

INNOVATION
RT Diffusion
Research

INORGANIC COMPOUNDS
BT Chemical compounds
NT Carbon dioxide
(Continued)

INORGANIC COMPOUNDS (Continued)
NT Carboin monoxide
Chloride
Fluorides
Halides
Hydrogen sulfide
Oxides
Silicates
Sulfides

INORGANIC NITRATES
BT Nitrogen inorganic compounds
NT Ammonium nitrate
Cesium nitrate
Iron nitrates
Lead nitrates
Potassium nitrate
Silver nitrate
Sodium nitrates
Yitrium nitrates
RT Nitrate deposits
Nitrides
Nitrites
Organic nitrates

IN PLACE DENSITY
BT Density

INPUT-OUTPUT ANALYSIS
NT Leontief models
RT Economics
Mathematical studies

INSECT ADAPTATION
BT Adaptation (physiological)

INSECT ATTRACTANTS
BT Attractants

INSECT BEHAVIOR
BT Animal behavior
Behavior

INSECT CONTROL
BT Animal control
Control
Pest control
NT Sanitation control (insects)
RT Insecticides
Insects
(Continued)

INSECT CONTROL (Continued)
RT Physical control
Refuse disposal
Sterilants
Water treatment

INSECT EGGS
BT Eggs
Growth stages
RT Larvae

INSECTICIDES
BT Chemicals
Pesticides
Poisons
NT DDD
DDE
Aldrin
DDT
Diazinon
Dieldrin
Endrin
Heptachlor
RT Entomology
Insect control
Insects
Repellents
Woodpreservatives (pesticides)

INSECTIVOROUS PLANTS
USE CARNIVOROUS PLANTS

INSECTS
BT Animals
Invertebrates
NT Aquatic insects
Diptera
Formicidae
Hymenoptera
Isoptera
Mosquitoes
Pterygota
Termites
RT Entomology
Insect control
Insecticides
Pests (insects)

IN SITU ROCK
BT Rocks
NT Bedrock
Beds (geology)
Geologic formations
(Continued)

IN SITU ROCK (Continued)
RT Field investigations
Geologic investigations
Geology
Igneous rocks
In situ tests
Metamorphic rocks
Outcrops
Rock bolts
Rock mechanics
Sedimentary rocks
Stratigraphy
Subsurface mapping
Subsurface investigations

IN SITU TESTS
BT Field tests
Tests
NT Permeability tests
Ponding tests
RT In situ rock
Soil tests

INSPECTION
RT Fire prevention
Sampling

INSPECTION OF BUILDINGS
USE BUILDING INSPECTION

INSTALLMENT PLAN
RT Consumer credit

INSTITUTIONAL FARMS
BT Farm types

INSTITUTIONAL LANDS
BT Land
NT Church lands
School lands
RT Land grants
Public land

INSTITUTIONS
BT Organizations
NT Administration agencies
Family
RT Administration
Economics
Governments
Interstate
Management
Planning
Water policy

INSTITUTIONS
NT Churches
Colleges
Corrective institutions
Courts
Libraries
Schools (education)
Universities
RT Institutional administration
Institutional environment
Institutional facilities
Institutional personnel
Institutional schools
Political aspects

INSTRUCTIONAL CONSTRAINTS
BT Constraints
RT Administration
Contracts
Governments
Institutions
Political constraints
Water policy

INSTRUCTIONAL MEDIA
RT Computer assisted instruction
Instructional technology

INSTRUCTIONAL TECHNOLOGY
BT Technology
RT Instruction
Instructional design
Instructional improvement
Instructional innovation
Instructional materials
Instructional media
Multimedia instruction
Programmed materials
Programmers

INSTRUMENTATION
UF Instruments
NT Balloons
Current meters
Electric bridges
Evapotranspirometers
Flowmeters
Gages
Geodimeters
Gravimeters
Hydrologic instruments
Measuring instruments
Meters
(Continued)

INSTRUMENTATION (Continued)
NT Moisture meters
Orifice meters
Permeameters
Piezometers
Precipitation gages
Receivers
Salinity meters
Seismographs
Soil density probes
Soil moisture meters
Strain meters
Stream gages
Surveying instruments
Temperature sensors
Transmitters
Velocity meters
Water stage recorders
Wier gages
RT Automation
Radar
Research equipment
Salt velocity method
Structural behavior
Water measurement

INSTRUMENTS
USE INSTRUMENTATION

INSTRUMENTS (ELECTRONIC)
USE ELECTRONIC INSTRUMENTS

INSTRUMENTS (HYDROLOGIC)
USE HYDROLOGIC INSTRUMENTS

INSTRUMENTS (MEASURING)
USE MEASURING INSTRUMENTS

INSTRUMENTS (METEOROLOGICAL)
USE METEOROLOGICAL INSTRUMENTS

INSTRUMENTS (SURVEYING)
USE SURVEYING INSTRUMENTS

INSULATION
NT Electrical insulation
Mechanical insulation
Thermal insulation
RT Electrical insulators

INSURANCE
NT Agricultural insurance
Flood plain insturance
(Continued

INSURANCE (Continued)
NT Health insurance
Life insurance
RT Claims
Disaster services
Expenses
Fringe benefits
Payment
Pensions
Risk

INTAKE CHANNELS
BT Channels
Waterways
RT Approach channels
Entrance channels
Intakes
Intake structures
Intake transitions
Slopping intake structures
Training walls

INTAKE GATES
BT Gates
Hydraulic equipment
Hydraulic gates
RT Coaster gates
Fixed wheel gates
Hoisting machinery
Hydroelectric powerplants
Intakes
Intake structures
Intake towers
Multilevel outlets
Outlet works

INTAKE STRUCTURES
BT Engineering structures
Hydraulic structures
Structures
NT Intake towers
Slopping intake structures
RT Ducts
Headwalls
Headworks
Intake channels
Intakes

INTAKE TOWERS
BT Engineering structures
Hydraulic structures
Intake structures

INTAKE TRANSITIONS
BT Transitions (structures)
RT Intake channels

INTAKES
UF Inlets (devices)
Water intakes
RT Conduits
Ducts
Filters
Fish passages
Forebays
Headwalls
Headworks
Ice prevention
Intake channels
Intake gates
Intake structures
Nozzles
Orifices
Outlets
Outlet works
Penstocks
Pumps
Siphons
Sluices
Storm drains
Trash racks
Ventilation

INTELLIGENCE
NT Economic intelligence
Weather intelligence

INTENSE RAINFALL
USE CLOUDBURSTS

INTENSITY
NT Rainfall intensity
RT Earthquakes
Earthquake theory
Hydrology
Infiltration rate
Meteorology
Rainfall
Rainfall-runoff relationships
Seismic waves
Seismic velocity
Seismiographs
Storms

INTENSITY PATTERNS
BT Spatial analysis

INTENSIVE FARMING
BT Farming

INTENTIONAL INUNDATION
USE FLOODING

INTERBASIN WATER TRANSFERS
BT Transfer
RT Conduits
Tunnels
Water tunnels (conveyance)

INTERCEPTION
RT Canopy
Evaporation
Precipitation (atmospheric)
Rainfall
Stemflow
Water loss

INTERCEPTORS (SEWERS)
USE SEWERS

INTERCHANGES
BT Highways

INTERCITY RELATIONS
BT Extra urban

INTERCONNECTED SYSTEMS
RT Electric networks

INTEREST GROUPS
RT Real estate board

INTEREST RATES
RT Investments

INTERFACES
BT Boundaries (surfaces)
NT Air-earth interfaces
Air-water interfaces
Earth-water interfaces
Free surfaces
Ice-water interfaces
Liquid-gas interfaces
Liquid-vapor interfaces
Mud-water interfaces
Oil-water interfaces
Saline-water-freshwater interfaces
Sediment-water interfaces
RT Boundary processes
Saline water intrusion
Sorption

INTERFERENCE (ELECTROMAGNETIC)
USE ELECTROMAGNETIC INTERFERENCE

INTERFLOW
USE SUBSURFACE RUNOFF

INTERFLUVES
BT Badlands
Drainage density
Drainage patterns
Runoff
Sheet floods
Streams
Watersheds (basins)
Watersheds (divides)

INTERGOVERNMENTAL COOPERATION
BT Intergovernmental relations

INTERGOVERNMENTAL RELATIONS
UF Federal and county relations
Federal and municipal relations
Federal and state relations
BT Federalism
NT Federal local relations
Grants-in-aid
Interstate relations
Intergovernmental cooperation
State grants in aid
RT Administrative law
Councils of government
Federal impact areas
Federal local state relations
Federal state relations
Interstate metropolitan areas
Metropolitan governments
Metropolitan planning enabling legislation
Municipal annexation
State legislature
Urban consolidation

INTERIOR NAVIGATION
RT Inland navigation

INTERMEDIATE ROCKS
RT Igneous rocks
Volcanic rocks

INTERMITTENT STREAMS
BT Bodies of water
Land forms
Non-perennial streams
Streams
Watercourses (legal)
RT Arroyos
Ephemeral streams
Seasonal
Snowmelt
Springs (water)

INTERNAL COMBUSTION ENGINES
UF Engines (internal combustion)
Oil engines
NT Diesel engines

INTERNAL COMBUSTION ENGINE NOISE
USE ENGINE NOISE

INTERNAL IMMIGRANTS

INTERNATIONAL AGRICULTURAL SITUATION
USE WORLD AGRICULTURAL SITUATION

INTERNATIONAL COMPACTS
BT Treaties

INTERNATIONAL TECHNICAL COOPERATION
USE TECHNICAL ASSISTANCE PROGRAMS

INTERNATIONAL TRADE
USE FOREIGN TRADE

INTERNATIONAL WATERS
RTR Treaties

INTERREGIONAL EXCHANGE
BT Extra urban

INTERSTATE
RT Governments
Institutions
Water policy

INTERSTATE COMMERCE
BT Commerce
RT Bills of lading
Interstate Trade Barriers

INTERSTATE COMMISSIONS
RT Organizations
River basin commissions

INTERSTATE COMPACTS
UF Compacts
Compacts (interstate)
RT Water law

INTERSTATE HIGHWAY BYPASSES
BT Roads

INTERSTATE HIGHWAY SYSTEM
RT Limited access highways

INTERSTATE HIGHWAYS
BT Highways

INTERSTATE METROPOLITAN AREAS
BT Metropolitan areas
Urban regions
RT Intergovernmental relations

INTERSTATE RELATIONS
BT Intergovernmental relations

INTERSTATE RIVERS
BT Bodies of water
Land forms
Rivers
Running waters
Streams
Surface waters
Waterways

INTERSTATE TRADE BARRIERS
RT Interstate commerce

INTERSTATE TRANSPORTATION
RT Pipeline transportation

INTERTIDAL AREAS
RT Littoral

INTERTIDAL ZONE
RT Beaches
Estuaries
Mud-water interfaces

INTERURBAN MASS RAPID TRANSIT SYSTEM
BT Transportation

INTRACITY PATTERNS
BT Spatial analysis

INTRA METROPOLITAN PATTERNS
BT Spatial analysis

INTRAZONAL SOILS
BT Soils
NT Alpine meadow soils
Bog soils
Brown forest soils
Ground water laterite soils
Ground water podzol soils
Grumusols
Half-bog soils
Low-humic gley soils
Planosols
Rendzina soils
Solodized-solonetz soils
Solonchak soils
Solonetz soils
Soloth soils
Vertisols

INTRUSION
USE SALINE WATER INTRUSION

INTRUSION (SALINITY)
USE SALINE WATER INTRUSION

INVENTIONS
RT Patents

INVENTORIES
RT Reserves

INVERSION (TEMPERATURE)
USE TEMPERATURE INVERSIONS

INVERTEBRATES
BT Animals
NT Amphipoda
Aquatic insects
Brine shrimp
Commercial shellfish
Crustaceans
Diptera
Formicidae
Hymenoptera
Isoptera
Insects
Mosquitoes
Nematodes
Protozoa
Pterygota
Shrimp
Termites

INVERTED DRAINAGE WELLS
- USE DRAINAGE WELLS

INVESTIGATION OF HOUSE CONSTRUCTION
- UF Building construction defective
  - Building construction faulty
  - Faulty construction

INVESTIGATIONS
- NT Field investigations
  - Foundation investigations
  - Geologic investigations
  - Petrographic investigations
  - Preliminary investigations
  - Seismic investigations
  - Soil investigations
  - Subsurface investigations
- RT Exploration
  - Pollutant identification
  - Sampling

INVESTMENTS
- RT Interest rates
  - State bonds

ION EXCHANGE
- BT Separation
- NT Ion exchange
  - Cation exchange
- RT Desalination processes

ION EXCHANGE RESINS
- USE RESINS

ION TRANSPORT
- RT Desalination processes
  - Leaching

IONIZING RADIATION
- UF Delta rays
  - Hard radiation
- NT ultraviolet radiation

IRIDIUM
- BT Metals
  - Precious metals
  - Refractory materials
  - Refractory metals
  - Transition metals
- RT Iridium isotopes

IRON
- BT Metals
  - Transition metals
  - Chemical elements
  - Materials
- NT Cast iron
  - Wrought iron

IRON ALLOYS
- UF Ferroalloys
  - Ferous alloys
- BT Alloys
  - Metals
- NT Carbon alloys
  - Carbon steels
  - Cast iron
  - Cast steel
  - Cold-rolled steel
  - High strength steels
  - Low alloy steels
  - Low carbon steel
  - Molybdenum alloys
  - Prestressed steel
  - Stainless steel
  - Steel
  - Structural steel

IRON COMPOUNDS
- UF Ferric compounds
  - Ferrous compounds
- BT Chemical compounds
- NT Ferrites
  - Iron oxides

IRON CYANIDES
- RT Cyanides

IRON FOUNDRIES
- USE FOUNDRIES

IRRADIATION
- NT Irrigation systems

IRRIGABLE AREAS
- USE IRRIGABLE LAND

IRRIGABLE LAND
- UF Irrigable areas
- BT Land
- RT Arable land
  - Irrigation engineering
  - Land classification
  - Land reclamation
  - Land settlement
  - Water requirements

IRRIGATED AREAS
USE IRRIGATED LAND

IRRIGATED LAND
UF Irrigated areas
BT Land
RT Farms
Irrigation
Irrigation practices
Irrigation systems
Irrigation water
Water rights

IRRIGATED SOILS
BT Soil types
RT Irrigation effects

IRRIGATION
NT Border irrigation
Flood irrigation
Furrow irrigation
Gravity irrigation
Irrigation systems
Mist irrigation
Mole irrigation
Sprinkler irrigation
Subsurface irrigation
Supplemental irrigation
Surface irrigation
Trickle irrigation
RT Demand (irrigation systems)
Experimental farms
Farm ponds
Infiltration
Irrigated land
Irrigation districts
Irrigation ditches
Irrigation effects
Irrigation efficiency
Irrigation engineering
Irrigation practices
Irrigation programs
Irrigation water
Irrigation wells
Land development
Land preparation
Land reclamation
Laterals
Leaching
Prior appropriation
Reclamation
River basin development
Recirculating irrigation system

IRRIGATION (Continued)
RT Seepage
Soil reclamation
Soil-water relationship
Supplemental water
Water application rate
Water consumption
Water delivery
Water distribution
Water distribution (applied)
Water permits
Water pipelines
Water policy
Waste water
Waste water use
Water requirements

IRRIGATION CANALS
BT Canals
Channels
Conveyance structures
Waterways
NT Laterals
Sublaterals
RT Irrigation ditches
Irrigation engineering
Land reclamation
Surface irrigation
Turnouts
Unlined canals
Water conveyance
Water requirements

IRRIGATION CONDUITS
UF Irrigation pipe
BT Conduits (water)
RT Drainage conduits
Irrigation
Irrigation ditches
Pipes

IRRIGATION COSTS
RT Irrigation districts

IRRIGATION DESIGN
BT Design

IRRIGATION DISTRICTS
BT Ditches
Conservancy districts
RT Acequias
Aquatic weeds
(Continued)

IRRIGATION DISTRICTS (Continued)
RT Embankments
Irrigation
Irrigation costs
Irrigation canals
Irrigation systems
Laterals
Pest control
Water management (applied)

IRRIGATION EFFECTS
BT Effects
RT Agronomic crops
Alkaline soils
Crop response
Environmental effects
Evapotranspiration
Irrigated soils
Irrigation
Leaching
Plant growth
Soil properties

IRRIGATION EFFICIENCY
UF Return flow (water)
BT Efficiencies
RT Demand (irrigation systems)
Hydrograph analysis
Irrigation
Irrigation practices
Irrigation systems
Irrigation water
Soil-plant-animal relations
Soil-plant-animal relationships
Water conservation

IRRIGATION ENGINEERING
BT Engineering
RT Channeling
Conduits
Ditches
Engineering structures
Flumes
Furrow irrigation
Irrigable land
Irrigation
Irrigation canals
Irrigation systems
Land forming
Pipes
Venturi flumes
Water management (applied)
Water resources management

IRRIGATION IMPOUNDMENTS
USE FARM POUNDS

IRRIGATION LAWS
UF Water rights
BT Water laws

IRRIGATION NETWORKS
USE IRRIGATION SYSTEMS

IRRIGATION OPERATION AND MAINTENANCE
BT Operation and maintenance

IRRIGATION PERMITS
BT Licenses
Permits

IRRIGATION PIPES
BT Pipes (tubes)
Tubes
RT Sprinkler irrigation

IRRIGATION PIPE
USE IRRIGATION CONDUITS

IRRIGATION PRACTICES
NT Supplemental irrigation
RT Artificial recharge
Cultivation
Demand (irrigation systems)
Fertilization
Fertilizers
Gravity irrigation
Infiltration
Irrigated land
Irrigators
Irrigation efficiency
Irrigation programs
Irrigation systems
Irrigation water
Laterals
Leaching
Soil management
Water allocation (policy)
Water application rate
Water delivery
Water distribution (applied)
Water management (applied
Water requirements
Water Salvage
Water spreading
Water resources management
(Continued)

IRRIGATION PRACTICES (Continued)
RT Water reuse
Pasture management
Rotation
Soil-water-plant relationships
Sprinkler irrigation
Water pricing

IRRIGATION PROGRAMS
BT Water policy
RT Governments
Irrigation
Irrigation practices
Irrigation systems
Irrigation water
Policies
Water management (applied)
Water utilization
Wildlife conservation

IRRIGATION SYSTEMS
UF Irrigation networks
BT Irrigation
NT Border irrigation
Buried irrigation systems
Distribution systems
Furrow irrigation
Gravity irrigation
Mist irrigation
Recirculating irrigation system
Sprinkler irrigation
Subsurface irrigation
Surface irrigation
Trickle irrigation
RT Application methods
Dikes
Irrigated land
Irrigation ditches
Irrigation efficiency
Irrigation engineering
Irrigation practices
Irrigation programs
Irrigation wells
Laterals
Pipes
Pumping
Water application rate
Water control
Water distribution (applied)
Water reuse

IRRIGATION STORAGE PONDS
USE FARM POUNDS

IRRIGATION WASTE WATER
USE RETURN FLOW

IRRIGATION WATER
BT Water
Water types
NT Return flow
RT Application methods
Artificial recharge
Farm ponds
Infiltration
Irrigated land
Irrigation
Irrigation efficiency
Irrigation practices
Irrigation programs
Irrigation wells
Prior appropriation
Reservoir operation
Reasonable use
Reservoir
Riparian rights
Salinity
Seepage
Supplemental water
Surface-ground water relationships
Water costs
Water demand
Water loss
Water policy
Water quality
Water reuse
Water rights
Water salvage
Water sources

IRRIGATION WATER REQUIREMENTS
USE WATER REQUIREMENTS

IRRIGATION WELLS
BT Water wells
Wells
RT Artificial recharge
Drawdown
Ground water
Irrigation
Irrigation systems
Irrigation water
Pumping

ISLAND SITES
BT Sites

ISLANDS (LAND FORMS)
BT Land
Land forms
Topographic features
NT Atolls
RT Ice islands
Lagoons (land forms)

ISOPTERA
BT Arthropoda
Insects
Invertebrates
Pterygota
NT Termites
RT Pests (insects)

ISOSTASY
RT Geomorphology

ISOTOPES
BT Nuclides
NT Hydrogen isotopes
Plutonium radioisotopes
Potassium radioisotopes
Radioactive isotopes
Radium radioisotopes
Radioisotopes
Sodium radioisotopes
Radioactivity
Tritium

ISOTOPES (RADIOACTIVE)
USE RADIOISOTOPES

**JACK PINE TREES**
UF Pinus banksiana
BT Coniferous trees
Conifers
Gymnosperms
Pine trees
Plants (botany)
Trees

**JACKKNIFE DERRICKS**
USE DERRICKS

**JACKKNIFE MASKS**
USE DERRICKS

**JACKS (STRUCTURAL SHAPE)**
RT Channel protection

**JET DIFFUSION**
RT Submerged flow

**JET ENGINE NOISE**
BT Elastic waves
Engine noise
Mechanical waves
Noise (sound)
Sound waves
RT Jet aircraft noise

**JET STREAMS (METEOROLOGY)**
BT Wind (meteorology)
RT Air currents

**JOINT PLANNING**
BT Urban planning

**JUNIPER TREES**
UF Juniperus species
BT Coniferous trees
Conifers
Gymnosperms
Plants (Botany)
Trees
RT Coniferous forests

**JUNIPERUS SPECIES**
USE JUNIPER TREES

**JUNKYARDS**
UF Dumps

**JURISDICTION**
NT Federal jurisdiction
State jurisdiction
RT Federal-state water rights conflicts
Legal aspects
Litigation
Political aspects
Reservation doctrine
Water rights

**JUVENILE WATER**
UF Magnatic water
BT Subsurface waters
Water
Water types
RT Connate water
Geysers
Hot springs
Magma
Meteoric water
Volcanoes
Water sources

KAOLIN
    BT Clays
        Earth materials
        Finegrained soils
        Materials
        Soils

KAOLINITE
    BT Clay minerals
        Minerals
        Cilicates

KAPLAN TURBINES
    BT Hydraulic machinery
        Hydraulic turbines
        Turbines

KARAT
    BT Land forms
    RT Carbonate rocks
        Ground water
        Limestone
        Runoff
        Subsurface drainage

KENTUCKY BLUEGRASS
    UF Poa pratensis
    BT Bluegrasses
        Crops
        Grasses
        Monocots
        Plants (botany)
    RT Forage grasses
        Merion bluegrass

KEPLERIAN TRAJECTORIES
    USE ORBITS

KEYWAYS
    RT Construction joints
        Masonry
        Shafts (machinery)

KEYWORDS
    RT Documentation
        Indexing
        Subject indexing

KILLIFISHES
    UF Crenichthys species
        Cyprinodon species
        Empetrichthys species
        Fundulus species
        (Continued)

KILLIFISHES (Continued)
    UF Topminnows
    BT Animals
        Aquatic animals
        Aquatic life
        Fish
        Wildlife

KILNS
    BT Furnaces
    RT Drying

KINETIC ENERGY
    BT Energy
    RT Energy transfer
        Kinetics
        Mechanics
        Velocity
        Weight

KINETICS
    NT Pesticide kinetics
    RT Dynamics
        Energy
        Engineering mechanics
        Flow
        Fluid dynamics
        Friction
        Kinetic energy
        Mechanical properties
        Mechanics
        Movement
        Physical properties
        Transfer
        Velocity

KREMASTIC WATER
    USE VADOSE WATER

KUTTER FORMULA
    BT Equations
        Formulas
    RT Discharge (water)
        Flow
        Fluid flow

LABOR
NT Agricultural labor
RT Employment
Engineering personnel
Occupations
Personnel

LABOR FORCE
BT Population groups

LABOR MOBILITY
USE AGRICULTURAL LABORERS

LABOR PAYMENTS
USE WAGES

LABOR UNIONS
UF Trade unions
BT Organizations

LABORATORIES
BT Facilities

LABORERS
USE UNSKILLED WORKERS

LACUSTRINE CLAYS
USE LACUSTRINE DEPOSITS
LACUSTRINE SOILS

LACUSTRINE DEPOSITS
UF Clays (lacustrine)
Deposits (lacustrine)
Lacustrine clays
Lacustrine silts
BT Earth materials
Land forms
Materials
Sediments
Soils
RT Clays
Deposition
Fluvial morphology
Lake basins
Lake morphology
Lakes
Lake soils
Marine clays
Organic clays
Organic soils
Peat
Peat bog
(Continued)

LACUSTRINE DEPOSITS (Continued)
RT Playa lakes
Playas
Sedimentation
Varves

LACUSTRINE SILTS
USE LACUSTRINE DEPOSITS

LACUSTRINE SOILS
UF Lacustrine clays
BT Soils
RT Clay soils
Cohesive soils

LAG METHODS
USE FLOOD ROUTING

LAGAMORPHA
BT Eutheria
Mammals
Unguiculata
Vertebrates
NT Rabbits

LAGOONING
USE WASTE STORAGE

LAGOONS
BT Bodies of water
Surface waters
NT Aerated lagoons
Oxidation lagoons

LAGOONS (LAND FORMS)
RT Basins
Beaches
Channels
Islands (land forms)
Lakes
Shores

LAGOONS (PONDS)
BT Land forms
NT Oxidation lagoons
Sewage lagoons
RT Evaporation
Reservoirs
Sewage treatment
Sewage works
Sludge disposal
Waste disposal
(Continued)

LAGOONS (PONDS) Continued)
RT Water
Water supply

LAKE BASINS
BT Basins
RT Lakes
Watersheds (basins)

LAKE BEDS
RT Beds
RT Lakes
Sediment deposits
Sediments

LAKE BOTTOM SPRINGS
BT Running waters
Springs (water)
RT Hot springs
Lakes

LAKE BREEZES
BT Wind (meteorology)
RT Meteoric water

LAKE FISHERIES
BT Fisheries
RT Cold-water fish
Freshwater fish

LAKE ICE
BT Ice
RT Lakes

LAKE MORPHOLOGY
BT Morphology
RT Beaches
Lakes
Shape

LAKE MORPHOMETRY
RT Dimensions
Lakes
Measurements
Slopes

LAKE SHORES
BT Land forms
Shores
RT Beaches
Lakes

LAKE SOILS
BT Earth materials
Materials
Soils
Soil types
RT Clays
Sediment deposits
Silts

LAKE STAGES
UF Lake succession
Pond succession
Stages (lake)
BT Ecosystems
Succession
NT Emerging vegetation stage
Pioneer stage
Submerged vegetation stage
Temporary pond stage
RT Climax
Lakes
Marshes
Ponds
Reservoirs stages
Swamps

LAKE SUCCESSION
USE LAKE STAGES

LAKES
BT Bodies of water
Land forms
Landscapes
Standing waters
Surface waters
Water
NT Detention reservoirs
Farm ponds
Great ponds
Playa lakes
Ponds
Sagponds
Saline lakes
Strip mine lakes
RT Bogs
Freshwater
Ground water hydrology
Impoundments
Lagoons (land forms)
Lake basins
Lake beds
Lake bottom springs
(Continued)

LAKES (Continued)
RT Lake ice
Lake morphology
Lake morphometry
Lake shores
Lake stages
Limnology
Navigable waters
Reservoirs
Sedimentary basins (geological)
Stratification
Stream channels
Swamps
Turnovers
Water
Water resources
Water surface
Waterways
Playas

LAMINAR BOUNDARY LAYERS
RT Turbulent boundary layers

LAMINATES
RT Plating

LAND
NT Arable land
Arid lands
Deserts
Grasslands
Grazing land
Irrigable land
Irrigated land
Islands (land forms)
Public land
Semiarid lands
Withdrawn lands
Common land
Dead subdivisions
Ground
Institutional lands
Marginal lands
National parks
Open areas
Outlying areas
Residential areas
Wastelands
Wilderness areas
RT Land acquisition
Land classification
Land development
(Continued)

LAND (Continued)
RT Land forming
Land forms
Land management
Land ownership
Land reclamation
Land settlement
Land subsidence
Land tenure
Land titles
Land use
Land use patterns
Land values
Improved land values
Natural resources
Pasture
Renewal areas
Right-of-way
Soil conservation
Soils
Surface drainage
Terrain

LAND ACQUISITION
UF Acquisition (land)
BT Acquisition
RT Land
Land purchase
Land titles
Legal aspects
Easements

LAND ACQUISITION
NT Land expropriation
RT Land contracts
Land purchase

LAND ALLOTMENT
RT Allotment gardens

LAND AMALGAMATION
USE LAND CONSOLIDATION

LAND APPRAISAL
BT Appraisals
Evaluation
RT Cost analysis
Demand
Pricing
Rates
Value

LAND APPRAISAL
UF Land valuation
BT Appraisal
RT Farm appraisal

LAND ASSESSMENT
USE LAND TAXATION

LAND BANKS
USE FEDERAL LAND BANKS

LAND BREEZES
BT Wind (meteorology)
RT Hot winds

LAND-CAPABILITY CLASSIFICATION
USE LAND CLASSIFICATION

LAND CLASSIFICATION
BT Classifications
RT A horizon
Arable land
B horizon
C horizon
Irrigable land
Land
Land management
Soil horizons

LAND CLASSIFICATIONS
UF Land-capability classification
Land-use classification
RT Soil classification

LAND CLEARING
BT Clearing
RT Land forming
Land management
Land settlement

LAND COLONIZATION
USE LAND SETTLEMENT

LAND CONSERVATION
USE SOIL CONSERVATION

LAND CONSOLIDATION
UF Land amalgamation
RT Land reform

LAND CONTRACTS
BT Contracts
RT Land acquisition

LAND DEVELOPMENT
UF Land improvement
BT Resource development
NT Subdivisions
Leapfrogging
Real estate developer
Subdivided land
RT Afforestation
Irrigation
Land
Land forming
Land management
Land settlement
Open land redevelopment
Real estate development
Reforestation
Semiarid land
Surface irrigation
Urban irrigation

LAND DIVISION
USE LAND SUBDIVISIONS

LAND DRAINAGE
USE SURFACE DRAINAGE

LAND ECONOMICS
BT Economics
RT Land utilization

LAND EROSION
USE SOIL EROSION

LAND EXPROPRIATION
BT Land acquisition
RT Eminent domain
Land nationalization
Land reform
Public land

LANDFILL
USE EARTH FILLS

LANDFILLS
UF Sanitary fill
BT Fills
(Continued)

LANDFILLS (Continued)
RT Compaction
Disposal
Earthworks
Environmental engineering
Hydraulic mine-filling
Waste disposal

LAND FORMING
UF Land shaping
NT Terracing
RT Drainage
Earthfill
Erosion control
Earth handling equipment
Flood control
Furrow drainage
Grassed waterways
Irrigation engineering
Land
Land clearing
Land development
Land management
Landscaping
Water conservation

LAND FORMS
NT Alluvial deposits
Alluvial streams
Arroyos
Atolls
Basins
Bayous
Bays (topographic features)
Beaches
Bogs
Canyons
Caves
Cirques
Coastal marshes
Coastal plains
Coasts
Continental margin
Continental shelf
Continental slope
Deltas
Drainage basins
Dunes
Effluent streams
Ephemeral streams
Estuaries
Fjords
(Continued)

LAND FORMS (Continued)
NT Freshwater marshes
Gulfs
Gullies
Intermittent streams
Interstate rivers
Islands (land forms)
Karst
Lacustrine deposits
Lagoons (ponds)
Lakes
Lake shores
Marshes
Moraines
Mountains
Mud flats
Natural streams
Navigable rivers
Ocean beaches
Oceans
Peat bog
Perennial streams
Playas
Ponds
Ravines
Reefs
River basins
River beds
Rivers
Saline lakes
Sand bars
Sand splits
Seashores
Shores
Sinkholes
Streambeds
Stream valley
Swamp
Terrace deposits
Terraces
Terraces (geological)
Tidal marshes
Valleys
Volcanoes
Wild rivers
Craters
Cuestas
Glaciers
Mesas (land forms)
Mountain gaps
Piedmont land forms
Relict land forms
(Continued)

**LAND FORMS (Continued)**
RT Erosion
Geologic deposits
Hills
Land
Mountain ridges
Plains
Plateaus
Rift valleys
Sedimentary basins (geological)
Slopes
Stream drainage patterns
Stream meandering
Terrain
Topography
Volcanoes

**LAND FRAGMENTATION**
RT Land subdivisions

**LAND-GRANT UNIVERSITIES**
BT Colleges
RT Agricultural education

**LAND GRANTS**
UF Land patents
RT Homesteading
Institutional lands
Land policies
Public land

**LAND IMPROVEMENT**
RT Land multiple use

**LAND LEVELING**
UF Land preparation
NT Terracing
RT Surface irrigation

**LAND MANAGEMENT**
UF Land treatment
BT Management
NT Chiselling
Contour farming
Cultivation
Deep tillage
Fallowing
Strip cropping
Stubble mulching
Vertical mulching
RT Civil engineering
(Continued)

**LAND MANAGEMENT (Continued)**
RT Conservation
Drainage
Erosion
Erosion control
Experimental farms
Land
Land classification
Land clearing
Land development
Land forming
Land reclamation
Landscaping
Reforestation
Resource conservation
Soil management
Terracing
Vegetation establishment
Water management (applied)
Watershed management

**LAND MULTIPLE USE**
BT Land utilization
NT Land recreational use
RT Forest multiple use
Land improvement

**LAND NATIONALIZATION**
UF Nationalization (land)
RT Land expropriation
Land reform

**LAND OWNERSHIP**
UF Land titles
Ownership (land)
RT Land
Legal aspects

**LAND PATENTS**
USE LAND GRANTS

**LAND PLANNING**
USE SUBDIVISION DESIGN

**LAND PLASTER**
USE GYPSUM (SOIL AMENDMENT)

**LAND POLICIES**
BT Policies
RT Land grants
Land utilization

**LAND PREPARATION**
UF Land leveling
RT Drainage
Grading (earthwork)
Irrigation
Plowing
Surface irrigation

**LAND PRICES**
BT Prices
RT Farm prices

**LAND PURCHASE**
RT Land acquisition

**LAND RECLAMATION**
UF Reclamation
Reclamation (soil)
BT Reclamation
RT Alkaline soils
Conservation
Drainage
Irrigable land
Irrigation
Irrigation canals
Land
Land management
Land settlement
Marshes
Resource conservation
Sand control
Soil management
Swamps

**LAND RECREATIONAL USE**
BT Land multiple use
RT Forest recreational use

**LAND REFORM**
UF Agrarian reform
RT Land consolidation
Land expropriation
Land nationalization
Land tenure

**LAND REGISTRATION**
USE LAND TITLES
LAND TRANSFER

**LAND RESOURCES**
BT Natural resources
Resources
RT Conservation
(Continued)

**LAND RESOURCES (Continued)**
RT Economics
Forests
Minerals
Resource conservation
Water resources
Wildlife

**LAND RIGHT-OF-WAY**
USE EASEMENTS

**LAND SETTLEMENT**
UF Subsistence homesteads
Colonization
Land colonization
Resettlement
NT Homesteading
RT Demonstration farms
Development farms
Irrigable land
Land
Land clearing
Land development
Land reclamation
Project planning

**LAND SHAPING**
USE LAND FORMING

**LAND SPECULATION**
BT Speculation (economics)

**LAND SUBDIVISION**
UF Land division
Subdivision
RT Land fragmentation
Land surveying

**LAND SUBSIDENCE**
BT Subsidence
RT Consolidation
Deformation
Drawdown
Earth movements
Earthquakes
Ground water
Land
Mines
Pumping
Settlement (structure)
Sinks
Water wells
Wells

**LAND SURVEYING**
UF Cadastral surveying
BT Surveying
RT Boundaries
Easements
Land subdivisions
Land titles
Land zoning
Photogrammetry
Regional planning

**LAND SURVEYS**
UF Base lines
Cadastral surveys
Property surveys
Surveying lines
BT Plane surveys
Surveys
RT Aerial surveys
Boundaries
Land titles
Zoning

**LAND TAXATION**
UF Land assessment
BT Taxation

**LAND TENURE**
UF Agricultural holdings
Land tenure
BT Tenancy
NT Conacre
Farm ownership
Metayage
Open-field systems
RT Farm operating agreements
Land
Land reform
Leases
Tenant farming

**LAND TITLES**
UF Land ownership
Land registration
Land tenure
RT Deeds
Easements
Land
Land acquisition
Land surveying
Land surveys
(Continued)

**LAND TITLES (Continued)**
RT Land surveying
Land transfer
Right of way acquisition
Torrens system

**LAND TRANSFER**
RT Land titles
Torrens system

**LAND TREATMENT**
USE LAND MANAGEMENT

**LAND USE**
NT Built up land
Amusement facilities
Cemetaries
Urban land use
Commercial areas
Urban residential patterns
Vacant land classification
Transportation land uses
Town lots
Suburban shopping areas
Suburban land use problems
Mixed towns
Residential land uses
Industrial districts
Garages
Urban land use patterns
Urban land use planning
Urban developed land
Site utilization
Quasipublic land uses
Public land uses
Outlying industrial sites
Park development
Parking lots
Open spaces
Outlying business centers
Open areas
Open fields
Open space land
Noncentral business land uses
Noncommercial land uses
Commercial land uses
City patterns of land use
Recreational land uses
Land use mapping
Land use patterns
Land use problems
Land use requirements
Land use determinants
(Continued)

LAND USE (Continued)
NT Land use analysis
Industry clusters
Industrial land use
Industrial land
RT Building sites
Estates
Forests
Land
Land values
Non-farm areas
Parking facilities
Regional economics
Tenants
Vacant land

LAND USE
UF Commercial land use
Industrial land use
Land utilization
Residential land use
Urban land use
NT Regional shopping centers
Industrial parks
RT Semiarid land
Small watersheds
Suburban land use
Tax delinquent land

LAND USE ANALYSIS
BT Land use
Urban research
RT Development potential
Land use patterns

LAND USE CLASSIFICATION
USE LAND CLASSIFICATION

LAND USE CONTROLS
BT Municipal regulations
RT Development rights
Municipal restrictions

LAND USE DENSITY
NT Floor area ratio

LAND USE DETERMINANTS
BT Land use

LAND USE DISTRICTS
BT Planning

LAND USE INVENTORY
BT Planning

LAND USE MAPS
BT Maps
Planning

LAND USE MAPPING
BT Mapping
Land use

LAND USE PATTERNS
UF Land utilization
BT Land use
RT Land
Land use analysis
Land use planning
Land values

LAND USE PLANNING
BT Planning
Urban planning
NT Land use surveys
Urban land use planning
RT Air photography
Land use patterns
Park master planning

LAND USE PROBLEMS
BT Land use
NT Urban land use problems

LAND USE REQUIREMENTS
BT Land use

LAND USE SURVEYS
BT Land use planning

LAND USE ZONING
BT Zoning
RT Recreational facilities

LAND UTILIZATION
UF Land use
BT Spatial analysis
NT Land multiple use
Land recreational use
Urban land utilization
RT Land economics
Land policies
Resource planning

LAND UTILIZATION REGULATION
USE LAND ZONING

LAND VALUATION
USE LAND APPRAISAL

LAND VALUES
BT Assessments
Finance
Property values
NT High land values
Peak land value intersection
Real estate
Residential land values
RT Appraisals
Functional consolidations
Land
Land use
Land use patterns
Municipal regulations
Taxation
Zoning

LAND VALUES
UF Farm land values
RT Farm values

LAND WARRANTS
UF Warrants (land)

LAND ZONING
UF Land utilization regulation
Rural zoning
Zoning
RT Land surveying
Regional planning

LANDFILL
BT Refuse disposal
Waste disposal

LANDING
UF Landing impact
NT Water landing

LANDING FIELDS
USE AIRPORTS

LANDING IMPACT
USE LANDING

LANDLORD
RT Rent control
Urban absentee proprietors

LANDSCAPE
BT Spatial patterns
NT Cultural landscape
(Continued)

LANDSCAPE (Continued)
NT Highland
Lakes
Local relief
Morphology
Panorama
Profiles
Relief
Rural landscape
Surface
Terrain
Townscape
Vegetation

LANDSCAPE ARCHITECTURE
UF Landscaping
BT Urban planning

LANDSCAPE ENGINEERING
USE LANDSCAPING

LANDSCAPE GARDENING
USE LANDSCAPING

LANDSCAPING
RT Beautification
Earthworks
Gardening
Golf courses
Highways
Land forming
Land management
Ornamentals
Parks
Recreational facilities
Roads
Shrubs
Site planning
Trees
Turf grasses
Vegetation establishment

LANDSCAPING
UF Garden design
Landscape architecture
Landscape engineering
Landscape gardening
RT Garden pools
Gardening
Terraces

LANDSLIDES
UF Slips (land)
RT Sliding
Slopes
Soil erosion
Soil mechanics
Soil stability
Earth movements
Mass wasting
NT Debris avalanches
RT Disasters
Avalanches
Colluvium
Earth materials
Earthquake damage
Earthquakes
Mudflows
Slopes
Slope stability
Stability analysis

LANGUAGES
NT Programming languages
RT Communication
Morphology
Translating

LANTHANIDE SERIES METALS
USE RARE EARTH ELEMENTS

LANTHANONS
USE RARE EARTH ELEMENTS

LARGE CITIES
USE URBAN AREAS

LARGE LOT ZONING
BT City zoning
Zoning

LARGE MOUTH BASS
USE BASS

LARGE SCALE FARMS
BT Farm types

LARGE STRUCTURES
UF Major structures
BT Structures
RT Bridges (structures)
Canals
Dams
Outlet works
(Continued)

LARGE STRUCTURES (Continued)
RT Powerplants
Spillways

LARGE WATERSHEDS
BT Watersheds (basins)
RT Channel flow
Drainage
Hydrology
Precipitation (atmospheric)
Rainfall
Rivers
Runoff
Streamflow
Surface waters
Valleys
Water storage
Water table
Waterways

LARVAE
RT Growth stages
Insect eggs
Life cycles
Life expectancy

LASERS
RT Light
Luminescence
Surveying

LATENT HEAT
BT Heat

LATE IMPOUNDMENT
BT Post-impoundment
Reservoir stages

LATERAL FORCES
RT Earthquake loads
Wind pressure

LATERALS
BT Canals
Channels
Conduits
Conveyance structures
Hydraulic structures
Irrigation canals
Pipelines
Structures
NT Sublaterals

LATERALS (Continued)
RT Branches
Distribution systems
Ditches
Drains
Engineering structures
Irrigation
Irrigation ditches
Irrigation practices
Irrigation systems
Unlined canals
Water distribution (applied)

LATERITES
BT Earth materials
Soils
RT Soil groups

LATTICE
BT Street patterns

LAVA
BT Igneous rocks
Rocks
Volcanic rocks

LAVA FLOWS
RT Volcanoes

LAW
NT Adjudications
Agreements
Domestic relations courts
Jurisdictions
Legal codes
Legal rights
National housing act
Ordinances
Planning and zoning law
Police powers
Zoning laws
RT Legal aid
Patents
Regional planning legislations
Urban renewal legislation

LAW ADMINISTRATIVE
USE ADMINISTRATIVE LAW

LAW ENFORCEMENT
BT Public services
(Continued)

LAW ENFORCEMENT (Continued)
RT Code enforcement
Narcotic problems
Precincts

LAW, INDUSTRIAL
USE INDUSTRIAL LAWS AND LEGISLATION (LAW)

LAW (JURISPRUDENCE)
UF State law
NT Public law

LAWNS
RT Cutting management
Golf courses
Parks
Sprinkler irrigation
Turf grasses
Water utilization

LAWS
UF Legal
RT Administration
Governments
Legal aspects
Local governments
Permits
Planning
Policies
Prior appropriation
Regulations
Riparian rights
Water law

LAYERED PARKING
BT Parking

LAYERING
USE STRATIFICATION

LAYOUT
NT Plant layout
Workplace layout
RT Construction
Flow charting
Models
Planning
Surveys

LEACHING
UF Soil leaching
BT Separation techniques
RT Beneficiation
Cyaniding (beneficiation)
Drainage
Extraction
Ground water
Ion transport
Irrigation
Irrigation effects
Irrigation practices
Movement
Nitrates
Nutrients
Percolation
Salt balance
Solubility
Runoff
Saline water intrusion
Soil management
Soil water
Solvents
Subsurface drainage
Water quality

LEAD
BT Metals

LEAD ALLOYS
BT Alloys
Metals

LEAD (ELEMENTS)
BT Chemical elements
Heavy metals
Metals

LEAD ORGANIC COMPOUNDS
NT Tetraethyl lead

LEAD TETRAETHYL
USE TETRAETHYL LEAD

LEADERSHIP
RT administration
Management
Organizations
Productivity
Psychology
Training

LEAKAGE
NT Reservoir leakage
RT Flow
Grout curtains
Grouting
Grout stops
Infiltration
Inflow
Linings
Losses
Penetration
Sealants
Seepage
Wastes
Water loss
Piping (erosion)
Ponding tests
Porosity
Seepage losses
Sinkholes
Under seepage
Water seals
Watertight

LEAKAGE CURRENT
BT Electric current
RT Electrical insulators
Electric discharges

LEAN CLAYS
USE CLAYS

LEAPFROGGING
BT Land development

LEASED HOUSING
USE RENTAL HOUSING

LEASES
RT Agreements
Contracts
Land tenure
Regulations
Rent
Renting

LEASING
UF Farmout
Renting
RT Acquisition
Contracts
Exploitation
Financing
(Continued)

LEASING (Continued)
RT Maintenance
P Patents
Regulations
Rental equipment

LEAVES
RT Plants (botany)
Defoliation

LEAVES - ANATOMY
USE PLANT PHYSIOLOGY

LEVELS
BT Systems of cities

LEGAL
USE LAWS

LEGAL ASPECTS
NT Federal jurisdiction
Federal reclamation law
Federal-state water rights conflicts
Natural flow doctrine
Public rights
Scenic easements
RT Boundary disputes
Easements
Federal government
Jurisdiction
Land acquisition
Land ownership
Laws
Licenses
Local governments
Nonstructural alternatives
Patents
Political constrains
Prior appropriation
Riparian rights
Torts
Water allocation (policy)
Water law
Water quality standards
Water transfer
Well permits
Well regulations

LEGAL CITY
BT Types of cities

LEGISLATION
UF Ordinances
Statutes
BT Social sciences
NT Administrative law
Agricultural legislation
Banking legislation
Commercial law
Criminal law
City planning legislation
County planning legislation
Federal power act
Federal reclamation law
Federal water pollution control act
Housing legislation
International law
Regional planning legislation
State legislation
Urban renewal legislation
Water laws
Water quality act
RT Desert land act
Government
Jurisprudence
Regional planning legislation
Taxation
Urban renewal legislation
Water law
Zoning legislation

LEGUMES
BT Crops
Dicots
Horticultural crops
Plants (botany)
NT Alfalfa
Alsike clover
Beans
Clovers
Crimson clover
Forage legumes
Ladino clover
Lespedieza
Peanuts
Red clover
Soy beans
Vetch
White clover

LEGUMINOUS PLANTS
RT Pasture

LEISURE CITY
BT Community types

LEONTIEF MODELS
BT Input-output analysis

LEPOMIS SPECIES
USE SUNFISHES

LETTERS (CORRESPONDENCE)
USE DOCUMENTS

LEVEES
BT Earthworks
Embankments
Engineering structures
Hydraulic structures
RT Barriers
Check structures
Coastal structures
Dams
Docks
Earth dams
Earthfill
Earth handling equipment
Fills
River regulation

LIBRARIES
BT Institutions
RT Classifications
Documentation
Education
Facilities
Information centers
Planning libraries
Subject indexing
Tables (data)
Translating

LIBRARY EXTENSION
BT Extension education

LIBRARY PEARCHES
USE INFORMATION RETRIEVAL

LIBRARY SCIENCE
NT Library surveys
RT Planning documentation

LIBRARY SURVEYS
BT Library science
Surveys

LICENSES
NT Irrigation permits
Water permits
Well permits
RT Control
Foreign trade
Legal aspects
Patents
Permits
Prior appropriation
Regulations

LICHENS
RT Symbiosis

LIEN
UF Tax delinquent land
RT Real property

LIFE CYCLES
NT Diapause
RT Aging (biological)
Ecology
Eggs
Growth rates
Growth stages
Larvae
Life expectancy
Life history
Life history studies
Migration
Plants (botany)
Period of growth
Plant ecology
Phenology

LIFE EXPECTANCY
RT Animals
Durability
Ecology
Eggs
Growth stages
Larvae
Life cycles
Maintenance
Migration
Plants (botany)
Stability

LIFE FORMS (plants)
NT Chamaephytes
Geophytes
(Continued)

LIFE FORMS (PLANTS) (Continued)
NT Hemicryptophytes
Megaphanerophytes
Mesophanerophytes
Microphanerophytes
Nanophanerophytes
Stem succulents
Therophytes
RT Plant growth
Plant morphology
Plant size
Survival

LIFE HISTORY
RT Animal behavior
Competition
Ecology
Life cycles
Phenology
Reproduction

LIFE HISTORY STUDIES
RT Animal behavior
Ecology
Growth stages
Life cycles
Migration

LIFE SCIENCES
USE BIOLOGICAL SCIENCES

LIFE SPAN
RT Vital statistics

LIFE SUPPORT SYSTEMS
BT Environments
NT Aerospace life support systems
Closed ecological systems
Underground life support systems
Underwater life support systems
RT Aerospace environment
Air conditioning
Environmental engineering
Environments
Human ecology
Human factors engineering
Life support
Lunar environment
Oxygen supply equipment
Spacecraft
(Continued)

LIFE SUPPORT SYSTEMS (Continued)
RT Survival
Thermal environment
Ventilation
Weightlessness

LIFE ZONES
NT Lower sonoran life zones
Merriam life zones
Upper Sonoran life zones
RT Altitudes
Biological communities
Biomes
Climatic zones
Distribution patterns

LIFTING MACHINERY
USE HOISTING MACHINERY

LIGHT
RT Lasers
Lighting
Lighting equipment

LIGHTING
UF Illuminating
BT Electric current
Electric discharges
RT Electrical faults
Meteorology
Storms
Beautification
Highways
Light
Photography

LIGHTING EQUIPMENT
UF Floodlights
Search lights
Spotlights
BT Equipment
RT Light

LIGNINS
RT Lumber

LIGNITE
BT Coal
Fossil fuels
Organic matter
Rocks
Sedimentary rocks
RT Peat

LIME SOIL MIXTURES
UF Soil lime mixtures
BT Mixtures
RT Calcareous soils
Soils

LIMESTONE
BT Sedimentary rocks
RT Karst
Sinkholes

LIMITED ACCESS HIGHWAYS
UF expressways
BT Highways
Roads
NT Freeways
Toll roads
RT Interstate highway system
Parkways

LIMITED DIVIDEND HOUSING
BT Housing

LIMITING FACTORS
RT Dispersions

LIMNOLOGY
NT Paleolimnology
RT Aquatic animals
Aquatic bacteria
Aquatic environment
Aquatic habitats
Aquatic insects
Aquatic life
Aquatic microorganisms
Aquatic plants
Aquatic populations
Biological communities
Biological properties
Biology
Biomes
Chemical properties
Ecology
Fresh water
Freshwater fish
Freshwater marshes
Hydrography
Hydrology aspects
Hhydrography
Hydrology
Lakes
Oxygen demand
Ponds
(Continued)

LIMNOLOGY (Continued)
RT Reservoirs
Stream pollution
Streams
Surface waters
Water chemistry
Water pollution
Water properties
Water quality
Water temperature

LINED CANALS
BT Canals
Channels
Conduits
Conveyance structures
Open channels
NT Concrete-lined canals
Earth-lined canals
RT Earth linings
Linings
Membranes
Soil cement
Unlined canals

LINERS
USE LININGS

LININGS
UF Liners
Protective linings
NT Canal linings
Concrete linings
Earth linings
Flexible linings
Impervious linings
Pervious linings
Rigid linings
Steel linings
Tunnel linings
RT Asphalt cement
Asphalts
Bituminous cements
Casings
Cements
Channels
Coatings
Concretes
Corrosion control
Elastomers
Films
Leakage
Lined canals
(Continued)

LININGS (Continued)
RT Pipes
Placing
Plastics
Protective coatings
Sealants
Seepage
Seepage losses
Shielding
Surfacing
Waterproofing
Water seals
Water stops

LIQUEFACTION
NT Soil liquefaction
RT Conversion
Earthquakes
Failure (mechanics)
Fusion
Loose soils
Mudflows
Vibration
Shock (mechanics)

LIQUEFIED GASES
UF Liquid gases

LIQUEFIED METHANE
USE LIQUEFIED NATURAL GAS

LIQUEFIED NATURAL GAS
UF Liquefied methane
BT Fossil fuels
Natural gas

LIQUID FILTERS
BT Fluid filters
Separators
NT Hydraulic fluid filters
Oil filters
Water filters

LIQUID FLOW
UF Oil flow
BT Fluid flow
NT Open channel flow
Streamflow
Turbidity currents
Water flow
RT Gas flow
Mass flow
Multiphase flow
Steady flow

LIQUID GASES
USE LIQUEFIED GASES

LIQUID-GAS INTERFACES
BT Boundaries (surfaces)
Interfaces
NT Air-water interfaces
Liquid-vapor interfaces
RT Liquids
Vaporization
Vapors

LIQUID MANURES
BT Manures

LIQUID-VAPOR INTERFACES
BT Boundaries (surfaces)
Interfaces
Liquid-gas interfaces
NT Air-water interfaces
RT Evaporation
Vaporization
Vapors

LIQUID WASTES
BT Wastes
NT Acid mine water
RT Biodegradation
Desalination
Effervescence
Effluents
Liquids

LIQUIDS
NT Acid mine water
RT Aqueous solutions
Dipping
Fluids
Formulation
Gases
Hydrometers
Hydrostatics
Incompressible flow
Liquid-gas interfaces
Liquid-vapor interfaces
Liquid wastes
Melting
Phase diagrams
Piezometry
Slurries
Solvents
Water types

LIMITED ACCESS HIGHWAYS
UF Expressways
BT Highways
Roads
NT Freeways
Toll roads
RT Interstate highway system
Parkways

LIMITING FACTORS
RT Balance of nature
Barriers
Dispersion
Distribution patterns
Ecology
Environmental effects

LINED CANALS
BT Canals
Channels
Conduits
Conveyance structures
Open channels
NT Concrete-lined canals
Earth-lined canals
RT Asphalt membranes
Bank erosion
Buried membranes
Canal seepage
Concrete linings
Earth linings
Flap valves
Linings
Membranes
Soil cement
Unlined canals

LININGS
UF Liners
Protective linings
NT Canal linings
Concrete linings
Earth linings
Flexible linings
Impervious linings
Pervious linings
Rigid linings
Steel linings
Tunnel linings

LITERATURE (DOCUMENTS)
USE DOCUMENTS

LITHIUM
BT Alkali metals
Chemical elements
Metals
RT Lithium alloys
Lithium compounds

LITHIUM ALLOYS
BT Chemical elements
Metals
RT Alkali metals
Lithium

LITHOSPHERE (EARTH)
USE EARTH PLANETARY STRUCTURE

LITIGATION
RT Easements
Jurisdiction
Public rights

LITTER
BT Organic matter
RT Cover
Groundoover
Mulching
Plant cover

LITTER
BT Solid wastes
Wastes
RT Aesthetics
Disposal
Environmental sanitation
Recreation wastes
Waste disposal
Water pollution
Water pollution sources
Water quality

LITTORAL
BT Environment
RT Benthos
Coasts
Euphotic zone
Flotsam
Intertidal areas
Littoral drift
Mud flats
Neritic
Ocean currents
Oceans
Shallow water
Shores
Tides

LITTORAL DRIFT
    UF Drift (littoral)
    RT Littoral
        Ocean currents
        Ocean waves
        Sand bars
        Sediment transport
        Shore protection
        Shores
        Waves (water)

LITTORAL PROPRIETORSHIP
    USE RIPARIAN LAND

LIVABILITY
    USE SPACE CONSIDERATIONS

LIVE LOADS
    BT Loads (forces)
    RT Earthquake loads
        Ice loads
        Wind bracing
        Wind pressure

LIVESTOCK
    UF Animal industry
        Domestic animals
        Farm animals
    BT Animals
        Domestic animals
        Mammals
        Vertebrates
    NT Beef cattle
        Buffaloes
        Cattle
        Chickens
        Dairy cattle
        Draft animals
        Goats
        Hogs
        Horses
        Mules
        Poultry
        Sheep
        Swine
    RT Agriculture
        Animal groupings
        Browse utilizations
        Carrying capacity
        Confinement pens
        Donkeys
        Experimental farms
        (Continued)

LIVESTOCK (Continued)
    RT Farm management
        Farms
        Forage palatability
        Grazing land
        Goats
        Horses
        Mammal groupings
        Ruminants
        Sheep
        Swine

LIVESTOCK EQUIPMENT
    RT Ranches

LIVESTOCK FARMS
    BT Farm types

LIVESTOCK INDUSTRY
    BT Agricultural industries

LIVESTOCK INSURANCE
    BT Agricultural insurance

LIVESTOCK WASTES
    USE FARM WASTES

LIVESTOCK WATER
    USE STOCK WATER

LIVING AREAS
    UF Residences
    RT Residential land values

LIVING INDEX
    NT Cost of living

LIZARDS
    USE REPTILES

LOADING SYSTEMS
    USE MATERIALS HANDLING EQUIPMENT

LOADS (FORCES)
    NT Axial loads
        Biaxial loads
        Cyclic loads
        Dead loads
        Dynamic loads
        Earthquake loads
        Horizontal loads
        Ice loads
        (Continued)

LOADS (FORCES) (Continued)
NT Impact loads
Live loads
Pile lateral loads
Radial loads
Total loads
Triaxial loads
Ultimate loads
Vertical loads
RT Bays (structural)
Earth pressure
Engineering mechanics
Ice pressure
Influence charts
Shock (mechanics)
Soil pressure
Statics
Structural behavior
Wind bracing
Wind pressure

LOAMS
BT Earth materials
Materials
Soils
Soil types
NT Clay loam
Silty loams
RT Clays
Humus
Organic matter
Organic soils
Sands
Silts
Entisols

LOANS
UF Mortgage finance
Savings and Loan associations
NT Amortization tables
Construction loans
Direct loans for housing
Direct state loans for housing
Federal lending
Property improvement loans
Veterans' guaranteed loans

LOAN ASSOCIATIONS
USE SAVINGS AND LOAN ASSOCIATIONS

LOBLOLLY PINE TREES
BT Coniferous trees
Conifers
Gymnosperms
Pine trees
Plants (botany)
Trees
RT Coniferous forests

LOCAL GOVERNMENTS
BT Governments
RT Cities
Laws
Legal aspects
Municipalities
Organizations
Political aspects
Social aspects
Taxes
Water resources development
Zoning

LOCAL GOVERNMENT
UF County government
Rural government
Town meetings
BT Government
RT Villages
Social welfare

LOCAL GOVERNMENT OFFICIALS
RT Councils of governments

LOCAL GOVERNMENT STRUCTURES
NT Borough plan
City county consolidations
City manager
City organizations
Commission form of city governments
Congressional township systems
Consolidated city county government
Consolidation
Consolidation referenda
City manager patterns
City managers
Federated cities
(Continued)

LOCAL GOVERNMENT STRUCTURES (Continued)
- NT Governmental boundaries
  - Governmental fragmentation
  - Governmental overlapping
  - Governmental reorganization
  - Home rule
  - Incorporation
  - Local federalism
  - Metropolitan federations
  - Metropolitan governments
  - Metropolitan multipurpose districts
  - Municipal administrations
  - Municipal authorities
  - Municipal consolidation
  - Municipal departments
  - Municipalities
  - Parishes
  - School systems
  - Self rule
  - Strong mayor plan
  - Suburban county
  - Three member districts
  - Town trustees
  - Towns
  - Townships
  - Unincorporated villages
  - Urban land use maps
  - Urban services district
  - Weak mayor plan
- RT Councils of governments

LOCAL HOUSING AUTHORITIES
- UF Local public agencies
- BT Housing authorities

LOCAL JURISDICTION
- USE LOCAL GOVERNMENTS

LOCAL PUBLIC AGENCIES
- USE COUNTY GOVERNMENT
  - LOCAL HOUSING AUTHORITIES
  - MUNICIPAL GOVERNMENT
  - URBAN RENEWAL

LOCAL RELIEF
- BT Landscape

LOCATING
- RT Railroad relocation

LOCAL ROADS
- USE ROADS

LOCATION
- BT Geographic concepts
  - Geographic theory
- NT Location decision
  - Manufacturing sites
  - Residential locations
  - Sites
- RT Highways
  - Railroad relocation
  - Street addresses

LOCATION DECISION
- BT Location

LOCATION FACTORS
- BT Location theory
- NT Accessibility
  - Accommodation land
  - Capital
  - Capital market
  - Climate
  - Collateral loans
  - Competition
  - Consumer preference
  - Deglomeration diseconomy
  - Depletion allowance
  - Excess capacity
  - Factor cost
  - Factor price
  - Factor proportions
  - Housing taxation
  - Indirect tax
  - Junior mortgages
  - Monopolistic competition
  - Mortgage note
  - Neighborhood shopping patterns
  - Optimum spatial patterns
  - Property
  - Proximity
  - Rent
  - Resources
  - Site selection
  - Subsidy
  - Supply source
  - Topographical barrier
  - Transport rates
  - Transport routes
  - Urban metropolitan region
  - Vacant possession

LOCATION QUOTIENT
- BT Industrial location

LOCATION SYSTEMS
NT Block numbering system
House numbering

LOCATION THEORY
BT Spatial analysis
Urban theories
NT Accommodation land
Agglomeration tendency
Capital structure
Comparative advantage
Competition
Decentralization
Deglomeration
Dispersion
Efficiency of locational distance
Factor mobility
Industrial location
Input output analysis
Interaction theory
Isodapanes
Labor interest coefficient
Location factors
Locational intertia
Locational triangle
Monopoiistic competition
Overlapping regions
Production factors
Proximity
Relocation
Subsidy
Transport inputs
Ubiguitous materials
Urban land use theory
Urban metropolitan structure
Von Thunen theory
Weber theory
RT Industrial decentralization
Market boundaries

LOCATIONS
USE SITES

LOCK GATES
RT Canals
Gates
Navigable waters
Waterways

LOCKS (WATERWAYS)
NT Canal locks
RT Barriers
Check structures

LODGEPOLE PINE TREES
UF Pinus contorts
BT Coniferous trees
Conifers
Gymnosperms
Pine trees
Plants (botany)
Trees

LOESS
BT Aeolian soils
Earth materials
Eolian soils
Sedimentts
Soil types
Soils
RT Dust storms
Silts

LOG HOUSES
BT Houses

LOGGED-OVER LANDS
USE CUTOVER FORESTS

LOGGING
UF Lumbering
Skidding
Timber cutting
Timber felling
Tree felling
BT Forestry
NT Electrical logging
Electrical well logging
Lopping (logging)
RT Forestry cutting systems

LOGGING (LUMBER)
USE LUMBERING

LOGGING (RECORDING)
NT Electrical logging
Electrical well logging
Geophysical logging
Radioactive well logging
Well logging
RT Soil investigations
Soil profiles
Subsurface investigations

LOGIC (FORMAL)
USE FORMAL LOGIC

LOGS
BT Records

LONG RANGE FORECAST
BT Weather forecast
RT Planning

LONG RANGE URBAN DEVELOPMENT
BT Urban development

LONG TERM PLANNING
BT Planning
RT Future planning (projected)
Project planning
Short-term planning

LOOKOUT TOWERS
UF Forest fire lookout towers
RT Forest fire detection

LOOP STREETS
BT Roads

LOOSE SOILS
BT Earth materials
Materials
Soils
RT Colluvium
Gravels
Liquefaction
Pervious soils
Porous materials
Settlement (structural)

LOPPING (LOGGING)
BT Logging

LOSSES
NT Diversion losses
Electric corona losses
Electric power losses
Energy losses
Head losses
Riparian water loss
Seepage losses
Tee losses
Water loss
Weight loss
RT Energy dissipation
Energy gradient
Leakage

LOT SIZE
RT Property
Subdivision regulations

LOTS
BT Development
RT Planning

LOW ALLOY STEELS
BT Alloys
Construction materials
Iron alloys
Metals
Steel
RT High strength steels
Low carbon steel
Metallurgy
Stainless steel

LOW ALTITUDE NUCLEAR EXPLOSIONS
USE NUCLEAR EXPLOSIONS

LOW BUILDING VALUES
BT Building values

LOW CARBON STEEL
BT Alloys
Construction materials
Iron alloys
Metals
Steel
RT High strength steels
Low alloy steels
Metallurgy
Stainless steel

LOW DENSITY DEVELOPMENT
BT Development

LOW FLOW
BT River flow
RT Water shortage

LOW FLOW AUGMENTATION
BT Reregulation
Flow augmentation
Flow control

LOW HUMIC GLEY SOILS
BT Intrazonal soils

LOW INCOME HOUSING
UF Housing, low income
RT Income
Poverty

LOW INCOME FAMILIES
USE FAMILY INCOME AND
EXPENDITURES

LOW RENT NEIGHBORHOODS
BT Neighborhoods
RT Poverty areas
Welfare

LOW RENT PUBLIC HOUSING
BT Public Housing

LOW TEMPERATURE TESTS
BT Environmental tests

LOW WATER MARK
RT Banks
Boundaries (property0
Ownership of beds
Seashores
Streamflow
Streamflow depletion
Tidal waters
Watercourses (legal)
Water level fluctuations

LOWER SONORAN LIFE ZONE
BT Life zones
Merriam life zones
RT Arid lands
Desert biome
Desert grassland
Upper Sonoran life zone

LUMBER
BT Building materials
Construction materials
Materials
RT Lignins
Lumbering
Wood
Wooden structures

LUMBER
UF Structural timber
BT Forest products
RT Construction materials
Timber
Wood
NT Dimension stock (lumber)
Flitches

LUMBER INDUSTRY
UF Wood industry
NT Timbers
RT Wood-using industries

LUMBER SUPPLY
RT Lumber trade

LUMBER TRADE
RT Forest industries
Lumber supply

LUMBER WASTE
USE WOOD WASTE

LUMBERING
UF Logging
Logging (lumber)
BT Industries
RT Clear-cutting
Clearing
Forest management
Forestry
Forests
Lumber
Pulp and paper industry
Pulp wastes
Saw mills
Trees
Wood wastes

LUMINESCENCE
RT Lasers

MACHINERY
USE MACHINES

MACHINES
UF Machinery
NT Hydraulic machinery
Pumps

MAGMA
RT Juvenile water

MAGNATIC WATER
USE JUVENILE WATER

MAGNESIUM
BT Alkaline earth metals
Chemical elements
Metals
RT Barium
Magnesium alloys
Magnesium compounds

MAGNESIUM ALLOYS
BT Alloys
Metals
RT Magnesium

MAGNETIC MATERIALS
NT Ferrites
RT Ferromagnetism
Magnetic tapes
Magnetostriction
Magnets
Metal detectors

MAGNETIC SURVEYS
BT Geophysical prospecting
Geophysics
Surveys
RT Geodesy
Geodetic surveys
Magnetic fields
Magnetic properties
Magnetometers
Terrestrial magnetism

MAIL SERVICE
USE POSTAL SERVICE

MAINTENANCE
RT Reliability
Life expectancy

MAINTENANCE AND MODERNIZATION
USE HOUSES -MAINTENANCE AND MODERNIZATION (HOUSES)

MAINTENANCE AND OPERATIONS
USE OPERATION AND MAINTENANCE

MAINTENANCE MORTGAGE
USE OPEN-END MORTGAGE

MAJOR HIGHWAYS
USE HIGHWAYS

MAJOR STREET PLAN
BT Planning
Roads
Street plans
RT Transportation

MAJOR STRUCTURES
USE LARGE STRUCTURES

MAJOR THOROUGHFARE PLAN
BT Roads

MALENCLAVES
BT Ground water

MALLS
BT Downtown planning

MAMMAL GROUPINGS
RT Livestock

MAMMALS
BT Animals
Vertebrates
NT Big game
Cattle
Deer
Goats
Livestock
Rodents
Ruminents
Sheep
Artiodactyla
Beef cattle
Cats
Carnivora
Dairy cattle
Dogs (Mammals)
Donkeys
(Continued)

MAMMALS (Continued)
NT Eutheria
Equines
Horses
Lagamorpha
Mice
Mules
Perissodactyla
Primates
Rabbits
Rats
Squirrels
Swine
Ungulata
Unguiculata

MAN - INFLUENCE OF ENVIRONMENT
BT Ecology
Environment

MAN LAND RATIO
BT Population

MANAGEMENT
UF Administration
Managerial coordination
NT Communications management
Contract administration
Contour farming
Cutting management
Farm management
Feed lots
Financial management
Fish management
Forest management
Ground water management
Industrial management
Land management
Marsh management
Pasture management
Personnel management
Project management
Project planning
Public administration
Range management
Soil management
Snow management
(Continued)

MANAGEMENT (Continued)
NT Strip cropping
Transportation management
Water management (applied)
Water resources management
Wildlife management
Watershed management
RT Decision making
Engineering personnel
Financing
Industrial engineering
Information systems
Institutions
Leadership
Management engineering
Management planning
Management methods
Marketing
Organizing
Psychological aspects
Sciences
Social aspects
Systems analysis
Systems engineering
Technologists
Technology

MANAGEMENT ANALYSIS
UF Management surveys
BT Analysis

MANAGEMENT BY EXCEPTION
RT Statistical analysis

MANAGEMENT CONTROL REPORTS
RT Information systems

MANAGEMENT ENGINEERING
UF Administrative engineering
BT Engineering
RT Chance causes
Management

MANAGEMENT GAMES
BT Management methods
Operations research

MANAGEMENT METHODS
NT Management games
RT Industrial management
Management
Management systems

**MANAGEMENT PLANNING**
BT Planning
RT Management

**MANAGEMENT SURVEYS**
USE MANAGEMENT ANALYSIS

**MANAGEMENT SYSTEMS**
RT Management methods
Project management

**MANAGEMENT THEORY**
USE ORGANIZATION THEORY

**MANAGEMENT TRAINING**
BT Training

**MANAGERIAL COORDINATION**
USE MANAGEMENT

**MANGANESE**
BT Metals
Transition metals
RT Manganese isotopes

**MANGANESE**
BT Chemical elements
Metals

**MANGANESE ALLOYS**
BT Alloys
Metals
RT Manganese
Steel

**MANIFOLDS**
RT Discharge lines

**MANGROVE SWAMPS**
BT Swamps
Wetlands

**MANHOLES**
RT Outfall sewers

**MANNINGS EQUATION**
UF Mannings formula
BT Equations
RT Channel flow
Chezy equation
Discharge coefficients
Discharge measurement
Discharge (water)
(Continued)

**MANNINGS EQUATION (Continued)**
RT Mazen-Williams equation
Hydraulic radius
Mathematical studies
Reynolds number
Roughness (hydraulic)
Uniform flow

**MANNINGS FORMULA**
USE MANNINGS EQUATION

**MANPOWER**
NT Urban labor supply
RT Employment
Metropolitan labor markets

**MANUFACTURED HOUSES**
USE PREFABRICATED CONSTRUCTION

**MANUFACTURERS**
UF Manufacturing
RT Corporations
Organizations

**MANUFACTURING**
UF Manufacturers
RT Manufacturing belts
Industries
Organizations
Processing
Production

**MANUFACTURING BELTS**
BT Urban area classification
RT Manufacturing

**MANUFACTURING CITIES**
BT Economic base theory
Types of cities

**MANUFACTURING PLANTS**
USE INDUSTRIAL PLANTS

**MANUFACTURING SITES**
BT Location

**MANUFACTURING SUBURBS**
BT Suburbs

**MANURE**
USE FARM WASTES
FERTILIZERS

MANURE LAGOONS
USE FARM LAGOONS

MANURE SPREADERS
RT Fertilizer application

MANURES
UF Animal manures
Organic manures (animal)
BT Fertilizers
NT Guano
Liquid manures
Night soil
Poultry manure

MAP PROJECTION
RT Maps

MAPLE TREES
UF Acer species
BT Crops
Deciduous trees
Dicots
Horticultural crops
Plants (botany)
Trees

MAPPING
UF Cartography
NT Base maps
Geologic mapping
Land use mapping
Quadrant
Plane table mapping
Subsurface mapping
Topographic mapping
Urban mapping
RT Bench marks
Distribution patterns
Exploration
Field investigations
Geologic maps
Maps
Mosaics
Reconnaissance surveys
Second order surveys
Sites
Soil maps
Surveying
Surveying instruments
Surveys
Terrain analysis
Topographic surveys
(Continued)

MAPPING (Continued)
RT Topography
Weather maps

MAPS
NT Base maps
Geologic maps
Hydrographic charts
Land use maps
Soil maps
Topographic maps
Urban land use maps
Vegetation maps
Weather maps
RT Atlases
Exploration
Geologic mapping
Mapping
Mosaics
Surface mapping
Scale (ratio)
Soil investigations
Surveying
Surveys
Topographic mapping

MARGINAL LANDS
BT Land
RT Economic analysis

MARGINAL WELLS
BT Wells
RT Gas wells
Observation wells
Oil wells
Stratigraphy

MARINA CITY
BT Recreation
Types of communities
RT Waterfront

MARINE AIR MASSES
BT Air masses

MARINE BIOLOGY
RT Fresh water biology

MARINE CLAYS
BT Earth materials

MARINE FISHES
BT Aquatic animals
(Continued)

MARINE FISHES (Continued)
BT Fishes
Vertebrates
NT Flatfishes
Skates
Tunas
RT Bass
Catfishes
Cod
Eels
Herrings
Lampreys
Perch
Sharks
Trout

MARINE PLANTS
BT Aquatic life
Aquatic plants
Plants (botany)
NT Ditch grass

MARINE WATER
USE SEA WATER

MARKET
RT Retailing

MARKET AREAS
BT Commerce
Spatial location
NT Isodapanes
Market plazas
Market square
Natural markets
RT Spatial area

MARKET BOUNDARIES
BT Spatial location
RT Location theory

MARKET GARDENING
BT Urban farming

MARKET SURVEYS
UF Consumer surveys
RT Housing market
Furniture market

MARKET VALUE
BT Value

MARKETING
UF Merchandising
NT Food marketing
Retail marketing
Wholesale marketing
RT Agricultural economics
Economics
Management
Optimum crop yield
Water users

MARKETING RESEARCH
BT Research

MARKING TECHNIQUES
UF Banding
Capture-mark-and recapture technique
Fin clipping
Recapturing
Wind clipping

MARL
BT Earth materials

MARSH MANAGEMENT
BT Management
Water resources management
RT Habitat improvement
Marshes
Wildlife management

MARSH PLANTS
BT Plants (botany)
RT Amphibious plants
Marshes

MARSHES
BT Land forms
Wetlands
NT Coastal marshes
Freshwater marshes
Salt marshes
Tidal marshes
RT Lake stages
Land reclamation
Marsh management
Marsh plants
Stagnant water
Standing waters
Swamps
Waterlogged land

MASONRY
NT Brick masonry
City masonry
Concrete masonry
Rubble masonry
RT Keyways

MASONRY DAMS
BT Dams
Hydraulic structures

MASS
RT Density
Dimensions
Size
Volume
Weight

MASS COMMUNICATION
RT Mass media

MASS FLOW
RT Fluid flow
Gas flow
Liquid flow
Multiphase flow

MASS FLOWMETERS
BT Flowmeters
Measuring instruments

MASS MEDIA
RT Mass communication
Publicity

MASS MOVEMENTS (GEOLOGY)
BT Earth movements
RT Creep properties
Erosion

MASS RAPID TRANSIT
BT Transportation
Urban transit

MASS TRANSFER
RT Dispersions
Evaporation
Heat transfer

MASS TRANSPORT
BT Transportation
NT Bus transportation
Buses
(Continued)

MASS TRANSPORT (Continued)
NT Commuter-railroads
Commuter zones
Express bus
Free mass transit
Minibus
Rail passenger traffic
Reverse commuting
Ridership
Suburban railroads
Subways
Transit expressway
Transit fringe parking usage
Urban rail systems

MASS TRANSPORTATION
BT Transportation
Urban services
NT Bus transportation
RT Rail transportation

MASS WASTING
BT Erosion
NT Debris avalanches
Landslides
Solifluction
RT Erosion control
Mud flows
Soil conservation
Weathering

MASTER PLAN
UF Comprehensive plan
Development plan
General plan
Official plan
BT Planning
RT Housing
Land use
Population
Schools
Streets
Zoning
City planning
County planning
Metropolitan area planning
Regional planning
State planning

MATERIAL BALANCE
NT Water balance
RT Heat balance

MATERIALS
NT Acidic soils
Aeolian soils
Aggregates
Alkaline soils
Alloys
Alluminum
Aquatic soils
Beach sands
Building materials
Calcareous soils
Castings
Cast iron
Ceramic materials
Concretes
Construction materials
Diatomaceous earth
Dune sands
Earth materials
Expansive clays
expansive soils
finegrained soils
Frozen soils
Granular materials
Gravel
Hardwood
High strength steels
Iron
Kaolin
Lacustrine deposits
Lake soils
Loams
Loose soils
Lumber
Metals
Mud
Organic clays
Organic silts
Organic soils
Peat
Pervious soils
Preconsolidated soils
Quick soils
Reinforced concrete
Reinforcing materials
Reinforcing steels
Rubber
Saturated soils
(Continued)

MATERIALS (Continued)
NT Silty loams
Softwood
Steel
Timbers
Topsoil
Unsaturated soils
Wood
RT Strength of materials

MATERIALS FAILURE
BT Failure

MATERIALS HANDLING EQUIPMENT
UF Loading systems
NT Hoisting machinery

MATERIALS HANDLING
RT Freight
Industrial engineering

MATERIALS TESTS
BT Tests
NT Compression tests
Corrosion tests
Drained shear tests
Environmental tests
Freeze-thaw tests
Permeability tests
Shear tests
Soil compression tests
Soil consolidation tests
Soil tests
RT Experimental data
Samples

MATHEMATICAL ANALYSIS
BT Analysis
Mathematical studies
Mathematics
NT Statistical analysis
RT Computer applications

MATHEMATICAL MODELS
BT Models
NT Economic models
Transportation models
RT Simulation
Systems analysis
Systems engineering

MATHEMATICAL STUDIES
    NT  Mathematical analysis
    RT  Input-output analysis

MATHEMATICS
    BT  Sciences
    NT  Mathematical analysis
        Statistics

MATTRESSES
    RT  Bank protection
        Banks
        Concrete linings

MATURATION OF CITIES
    BT  Urban change

MATURE MANUFACTURING CITIES
    BT  Cities

MATURE METROPOLIS
    BT  Types of cities

MAXIMUM PROBABLE FLOOD
    UF  Probable maximum flood
    BT  Floods

MAXIMUM TEMPERATURE
    BT  Temperature
    RT  Temperature ranges

MAYORS
    USE MUNICIPAL GOVERNMENT

MEADOW MANAGEMENT
    USE PASTURE MANAGEMENT

MEADOWS
    NT  Mountain meadows
    RT  Grassland farming
        Meadow hay
        Pasture

MEAN SEA LEVEL
    USE SEA LEVEL

MEAN TEMPERATURE
    BT  Temperatures
    RT  Temperature ranges

MEADOW HAY
    RT  Meadows

MEANDER LOOP SITES
    BT  Sites

MEANDERING (STREAM)
    USE STREAM MEANDERING

MEANDERS
    RT  Banks
        Beds
        Channels
        Discharge (water)
        Fluvial morphology
        Rivers
        Sediment load
        Stream

MEASUREMENT
    UF  Gauging
        Measuring
        Mensuration
        Metering (measurement)
        Quantization
    RT  Accuracy
        Confidence limits
        Data
        Distance measuring equipment
        Econometrics
        Evaluation
        Geodesy
        Gravimetry
        Hydrography
        Lake morphometry
        Measuring instruments
        Mechanical tests
        Metrology
        Piezometry
        Property yields
        Standards
        Surveys
        Surveying instruments
        Temperature measuring instruments
        Units of measurements
        Water levels
        Work measurements

MEASUREMENT
    NT  Discharge measurement
        Flow measurement
        Metering
        Water measurement
        (Continued)

MEASUREMENT (Continued)
RT Automation
Metric system
Sampling
Second order surveys
Survey stations

MEASUREMENT OF ASSOCIATION
BT Aggeomeration

MEASURING
USE MEASUREMENT

MEASURING EQUIPMENT
UF Gages
Gauges
Meters
NT Caulometers
Current meters
Infiltrometers
Lysimeters
Oscillographs
Photometers
Polarimeters
Rain gages
Torquemeters
Water meters
Water stage recorders

MEASURING INSTRUMENTS
UF Instruments (measuring)
BT Equipment
Instrumentation
NT Electric bridges
Evapotranspirometers
Flowmeters
Gages
Geodimeters
Mass flowmeters
Moisture meters
Orifice meters
Permeameters
Precipitation gages
Rain gages
Salinity meters
Seismographs
Snow gages
Snow moisture meters
Strain gages
Strain meters
Stream gages
Temperature sensors
Velocity meters
Weir gages
(Continued)

MEASURING INSTRUMENTS (Continued)
RT Water measurement
Telemetry

MEAT INDUSTRY
USE MEAT PACKING INDUSTRY

MEAT PACKING INDUSTRY
UF Meat industry
Packinghouses
BT Agricultural industries
RT Curing
Food processing
Meat
Slaughterhouse waste
Slaughterhouses

MECHANICAL ANALYSIS
BT Analysis
NT Sieve analysis
RT Soil classifications
Soil physical properties

MECHANICAL CLASSIFIERS
RT Sand tanks

MECHANICAL CONTROL
BT Control
Physical control

MECHANICAL DRAWINGS
USE ENGINEERING DRAWINGS

MECHANICAL ENGINEERING
UF Engineers (mechanical)
Mechanical engineers
BT Engineering

MECHANICAL ENGINEERS
USE MECHANICAL ENGINEERING

MECHANICAL INSULATION
BT Insulation

MECHANICAL EQUIPMENT
BT Equipment

MECHANICAL PROPERTIES
BT Properties
NT Corrosion resistance
Durability
Freeze-thaw durability
Friction
(Continued)

MECHANICAL PROPERTIES (Continued)
- NT Plasticity
  - Soil plasticity
  - Strength
  - Tensile properties
  - Tensile strength
  - Toughness
  - Viscosity
  - Workability
- RT Kinetics
  - Soil mechanics
  - Stability
  - Structural behavior
  - Water properties

MECHANICAL TESTS
- RT Soil tests

MECHANICAL WAVES
- BT Periodic variations
  - Waves
- NT Aircraft noise
  - Elastic waves
  - Engine noise
  - Jet engine noise
  - Noise (sound)
  - Sonic boom
  - Shock waves
  - Sound waves
  - Shear waves
  - Waves (water)
  - Wave energy
  - Wind tides

MECHANICS
- BT Physics
- NT Engineering mechanics
  - Fluid mechanics
  - Hydraulics
  - Soil mechanics
  - Statics
- RT Kinetic energy
  - Kinetics

MEDICAGO SATIVA
- USE ALFALFA

MEDICAL SERVICES
- UF Outpatient services
- BT Services

MEDIUM DENSITY CITIES
- BT Types of cities

MEGALOPOLIS
- NT Metropolitan areas
- RT Urban areas
  - Urban geography
  - Urban planning

MEGAPHANEROPHYTES
- BT Life forms (plants)

MELT WATER
- BT Fresh water
  - Water
- NT Snowmelt
- RT Snow
  - Snow management

MELTING
- RT Liquids

MELTING FURNACES
- RT Smelters

MEMBRANE PROCESSES
- BT Separation techniques
- NT Dialysis
  - Reverse osmosis
- RT Saline water
  - Waste treatment

MEMBRANES
- NT Asphalt membranes
  - Biological membranes
  - Buried membranes
  - Impervious membranes
  - Permselective membranes
  - Pervious membranes
  - Semipermeable membranes

MEMORIALS
- BT Monuments

MENSURATION
- USE MEASUREMENT

MENSURATION (FOREST)
- USE FOREST MEASUREMENT

MENTAL INSTITUTIONS
- BT Buildings
  - Health

MERCHANDISING
- USE MARKETING

MERCHANTILE CITIES
BT Cities
Types of cities

MERCURY (METAL)
BT Metals
Chemicsl elements
Transition metals
RT Cinnabar
Mercury isotopes

MERRIAM LIFE ZONES
BT Life zones
NT Lower sonoran life zone
Upper sonoran life zone
RT Altitude
Biological communities
Biomes
Climatic zones
Distribution patterns
Plant communities
Plant distribution
Vegetation types

MESAS (LAND FORMS)
BT Land forms
Topographic features
RT Cliffs
Erosion
Hills
Mountains
Plateaus

MESOPHANEROPHYTES
BT Life forms (plants)

MESOZOIC ERA
BT Geologic time
NT Cretaceous period

METABOLISM
RT Salt tolerance
Growing period
Growth stages

METAL ALKYL COMPOUNDS
UF Aluminum alkyl compounds
Metal alkyls
BT Organometallic compounds
NT Tetraethyl lead

METAL ALKYLS
USE METAL ALKYL COMPOUNDS

METALLIC TEXTILES
USE FIRE RESISTANT TEXTILES

METALLOIDS
UF Semimetals
NT Antimony
Arsenic
Boron
Germanium
Polonium
Silicon
Tellurium

METALLURGICAL FURNACES
RT Smelters

METALS
BT Chemical elements
Materials
NT Alkali metals
Alkaline earth metals
Alloys
Aluminum
Aluminum alloys
Barium
Bronzes
Cadmium
Cadmium alloys
Carbon alloys
Carbon steels
Castings
Cast iron
Cast steel
Cesium
Chromium
Chromium alloys
Cobalt
Cobalt alloys
Cold-rolled steel
Copper
Copper alloys
Ferrites
Germanium alloys
Gold
Heavy metals
High strength steels
Irons
Iron alloys
Lead (element)
Lead alloys
Lithium
Lithium alloys
Low alloy steels
(Continued)

METALS (Continued)
NT Low carbon steels
Magnesium
Magnesium alloys
Manganese
Manganese alloys
Mercury (metal)
Molybdenum
Molybdenum alloys
Nickel
Nickel alloys
Niobium
Niobium alloys
Phosphorus alloys
Platinum
Platinum alloys
Plutonium
Plutonium radioisotopes
Potassium
Potassium alloys
Potassium radioisotopes
Prestressed steel
Radium
Radium radioisotopes
Refractory metals
Reinforcing steels
Selenium alloys
Silicon alloys
Silver
Silver alloys
Sodium
Sodium alloys
Sodium radioisotopes
Stainless Steel
Steel
Structural steel
Tin
Tin alloys
Titanium
Titanium alloys
Tungsten
Tungsten alloys
Vanadium
Vanadium alloys
Wrought iron
Zinc
Zinc alloys
Actinide series
Beryllium
(Continued

METALS (Continued)
NT Hafnium
Iridium
Lead
Mercury (metal)
Osmium
Palladium
Precious metals
Rare earth elements
Rhenium
Rhodium
Ruthenium
Scandium
Transition metals
Strontium
Tantalum
Technetium
Uranium
Uttrium
Zirconium

METALS, EFFECT OF RADIATION ON
USE PROTECTIVE CONSTRUCTION

METALWORK
RT Ducts

METAMORPHIC ROCKS
BT Rocks
NT Quartzite
RT In situ rock
Geologic formations
Sedimentary rocks

METAY AGE
BT Land tenure

METEORIC WATER
UF Atmospheric water
Ground water
BT Water types
NT Precipitable water
RT Evaporation
Evapotranspiration
Lake breezes
Vadose water

METEORITES
RT Astronomical bodies
Meteors

METEOROLOGICAL DATA
UF Meteorological observations
BT Information
RT Climatic data

METEOROLOGICAL INSTRUMENTS
UF Instruments (meteorological)
NT Snow gages
RT Meteorological satellites

METEOROLOGICAL OBSERVATIONS
USE METEOROLOGICAL DATA

METEOROLOGICAL RADAR
UF Weather radar
BT Radar

METEOROLOGICAL SATELLITES
BT Satellites (artificial)
RT Meteorological instruments
Weather forecasting
Weather stations

METEOROLOGICAL STATIONS
USE WEATHER STATIONS

METEORS
RT Meteorites

METEOROLOGY
NT Cloud physics
Micrometeorology
Synoptic meteorology
RT Air currents
Ceilings (meteorology)
Cloud models
Evaporation
Evapotranspiration
Fronts (atmospheric)
Humidity
Intensity
Lightning
Rainfall intensity
Satellites (artificial)
Storm structure
Solar radiation
Temperature
Tropical cyclones
Weather
Weather data
Weather patterns
Wind velocity

METERING
BT Measurement
NT Water metering
RT Flow measurement
Water measurement

METERING (MEASUREMENT)
USE MEASUREMENT

METERS
UF Measuring equipment
BT Equipment
Instrumentation
NT Flowmeters
Orifice meters
Salinity meters
Strain meters
Velocity meters

METES AND BOUNDS
USE BOUNDARIES (PROPERTY)

METHANE
BT Gases

METHODOLOGY
BT Formal logic
NT Application methods
Monte Carlo method
Scientific method
Statistics
RT Decision making
Systems analysis
Technology

METHODS OF APPLICATION
USE APPLICATION METHODS

METRIC SYSTEM
RT Measurements
Metrology

METROLOGY
RT Metric system

METRO FUTURE TRANS ALTERNATIVES
RT Metro trans proposals

METRO PLANNING AUTHORITIES OBJECTIVES
RT Metropolitan planners

METRO PLANNING TECHNIQUES
RT Metropolitan planners

METRO RECREATIONAL PLANNERS
RT Metropolitan planning

METRO TRANS PROPOSALS
RT Metro future trans alternatives

METROPOLITAN
BT Political subdivisions

METROPOLITAN AREA PLANNING
UF Multijurisdictional area
BT Regional planning
RT City growth
City planning
County planning
Master plan
Planning
Regional planning
State planning
Suburbs

METROPOLITAN AREAS
UF Urban areas
BT Geographic region
Megalopolises
Spatial patterns
Urban areas
NT Core cities
Diversified suburbs
Interstate metropolitan areas
Residential suburbs
Standard metropolitan statistical area
Suburban fringe
Suburbia

METROPOLITAN DATA CENTER
BT Urban facilities

METROPOLITAN DEVELOPMENT
RT Urban development

METROPOLITAN DISTRICTS
BT Spatial patterns
Urban subdivisions

METROPOLITAN EXPANSION
BT Regional growth

METROPOLITAN FUNCTIONS
BT Urban functions

METROPOLITAN GOVERNMENTS
BT Governments
Local government structure
Political administration
RT Intergovernmental relations
Urban administration

METROPOLITAN GROWTH
RT Urban growth
Urbanizing areas

METROPOLITAN HOUSING AUTHORITY
BT Housing authorities
Public services

METROPOLITAN HOUSING DESEGREGATION
RT Urban ghettos

METROPOLITAN INTEGRATION
RT Councils of governments

METROPOLITAN LABOR MARKETS
RT Manpower

METROPOLITAN PARKING STRUCTURES
BT Buildings
Parking

METROPOLITAN PLANNERS
RT Metro planning with objectives
Metro planning techniques
Metropolitan planning agencies
Planning commissions

METROPOLITAN PLANNING
BT Planning
Regional planning
Urban planning
RT Metro recreational planners
Metropolitan planning agencies
Metropolitan planning techniques

METROPOLITAN PLANNING AGENCIES
NT Planning commissions
RT Metropolitan planners
Metropolitan planning

METROPOLITAN PLANNING ENABLING LEGISLATION
BT State legislation
RT Intergovernmental relations

METROPOLITAN PLANNING TECHNIQUES
RT Metropolitan planning

METROPOLITAN REGIONS
    BT Geographic regions

METROPOLITAN RENEWAL
    UF Urban renewal
    RT Redevelopment

METROPOLITAN RESEARCH
    RT Urban research

METROPOLITAN STUDIES
    USE CITIES

METROPOLITAN TRANSPORTATION
    BT Transportation
    RT Waterfront communities

METROPOLITAN WASTES
    USE MUNICIPAL WASTES

MICE
    BT Eutheria
        Mammals
        Rodents
        Unguiculata
        Vertebrates
    RT Rats

MICROBIOLOGY
    NT Aquatic microbiology
        Soil microbiology

MICROCLIMATOLOGY
    BT Climatology
    RT Microenvironment
        Micrometeorology

MICROENVIRONMENT
    BT Environment
    RT Air circulation
        Air temperature
        Biotopes
        Canopy
        Competition
        Cover
        Dew
        Elevation
        Environmental effects
        Erosion
        Evaporation
        Evapotranspiration
        Ground cover
        (Continued)

MICROENVIRONMENT (Continued)
    RT Humidity
        Interfaces
        Meteorological data
        Microclimatology
        Micrometeorology
        Orography
        Photoperiodism
        Seasonal
        Seeding
        Shade
        Soil moisture
        Soil temperature
        Soil types
        Synoptic analysis
        Topography
        Transpiration
        Water temperature
        Weather data
        Weathering

MICROFAUNA
    USE MICROORGANISMS

MICROFLORA
    USE MICROORGANISMS

MICROMETEOROLOGY
    UF Meteorology
    BT Meteorology
    RT Agricultural meteorology
        Microclimatology
        Microenvironment

MICROORGANISMS
    UF Microfauna
        Microflora
    NT Aerobic bacteria
        Aquatic bacteria
        Aquatic fungi
        Aquatic microorganisms
        Bacteria
        Bacteriophage
        Clostridium
        Nitrogen fixing bacteria
        Protozoa
        Sewage bacteria
        Soil algae
        Soil bacteria
        Soil fungi
        Soil microorganisms
        Viruses
    RT Waste stabilization ponds

MICROPTERUS SPECIES
USE BASS

MICROSEISMS
RT Seismographs
Seismology

MICROWAVE COMMUNICATION
UF Microwave networks
BT Radio communication
Telecommunication
NT Microwave relay systems

MICROWAVE NETWORKS
USE MICROWAVE COMMUNICATION

MICROWAVE REGION
USE MICROWAVES

MICROWAVE RECEIVERS
BT Radio equipment
Radio receivers
Receivers
NT Television receivers

MICROWAVE RELAY SYSTEMS
BT Microwave communication
Radio communication
Radio relay systems
Telecommunication

MICROWAVES
BT Electromagnetic waves
Radio waves
Waves

MICROWAVES
UF Microwave region
BT Electromagnetic radiation
Radio waves
NT Millimeter waves
RT Extraterrestrial radio waves
Infrared radiation
Masers
Microwave communication
Microwave frequencies
Radio beams
Submillimeter waves
Waveguides
Wavelengths
Whistlers

MICROPHANEROPHYTES
BT Life forms (plants)

MID CITY URBAN RENEWAL
BT Renewal
Urban renewal

MID GRASSES
BT Grasses
Plants (botany)
NT Agropyron smithi
Andropogon scoparius
Poa
Poa compressa
Poa pratensis
Sporobolus heterolepis
Stipa spartea
RT Grassland biome

MIDDLE CLASS
BT Stratification
Urban social structure
RT Class
Middle income

MIDDLE ZONE
BT Zones

MIDTOWN DEVELOPMENT
BT Redevelopment

MIGRANT ADULTS
USE MIGRANTS

MIGRANT HOUSING
RT Movement of families

MIGRANT LABOR
USE AGRICULTURAL LABORERS

MIGRANT POPULATION
USE MIGRANTS

MIGRANT POPULATIONS
BT Migrants
RT Migrant workers
Migrations

MIGRANT WORKERS
RT Seasonal housing
Migrant populations

MIGRATION
USE POPULATION SHIFTS

MIGRATION (ANIMALS)
USE ZOOGEOGRAPHY

MIGRATION (PLANTS)
USE PLANT GEOGRAPHY

MIGRANTS
UF Agricultural migrants
Internal immigrants
Migrant adults
Migrant population
Native migrants
NT Migrant children
Migrant populations
Migrant workers
Migrant youth
Urban migrants
RT Immigrants
Migrant education
Migrant employment
Migrant health services
Migrant housing
Migrant problems
Migrant schools
Migrant welfare services
Migration
Migration patterns
Mobility
Relocation
Transient children

MIGRATIONS
BT Demography
Population movements
NT Differential migrations
Emigrations
Ex suburbanites
Immobility
Intercensal migration
Intercity migrations
Internal migration
Interregional migration
Intraregional migration
Migrants
Outmigration
Population flow
Population shifts
Population migrations
Rural urban migration
RT Migrant populations
(Continued)

MIGRATIONS (Continued)
RT Population mobility
Seasonal
Social mobility
Urban movement
Urban population increase
Urban population movements

MIGRATION
UF Northward movement
NT Relocation
RT Ecology
Life cycles
Life expectancy
Life history studies
Migrant child education
Migrants
Migration patterns
Transient children

MIGRATION PATTERNS
UF Migration trends
RT Migratory birds
Spatial distribution

MIGRATION TRENDS
USE MIGRATION PATERNS

MIGRATORY BIRDS
BT Animals
Birds
Wildlife
RT Bird types
Migration Patterns

MILITARY GEOLOGY
RT Site surveys

MILITARY HOUSING
USE DEFENSE HOUSING

MILITARY RESERVATIONS
BT Federal reservations
Public lands

MILITARY REQUIREMENTS
USE RESOURCES

MILITARY TOWNS
BT Types of cities
RT Economic base

MILK
RT Caseins
Dairy industry

MILLION CITIES
BT Types of cities

MILL DAMS
BT Dams
RT Artificial use
Concrete structures
Riparian rights

MILLS
BT Industrial plants
Sawmills

MINE ACIDS
BT Acids
Chemicals
RT Acidic water
Acid mine water
Coal mines
Coal mine wastes
Disposal wells
Mine drainage
Mines
Mine wastes
Mine water
Mining
Water pollution sources

MINE DRAINAGE
UF Acid mine drainage
Mine hydrology
BT Drainage

MINE FIRES
BT Fires

MINE HYDROLOGY
USE MINE DRAINAGE

MINE SURVEYS
BT Plane surveys

MINE WATER
BT Water
NT Acid mine water
RT Hydraulic mining water
Inflow
Recirculated water

MINE WASTES
BT Industrial wastes
Wastes
NT Coal mine wastes
(Continued)

MINE WASTES (Continued)
NT Strip mine wastes
RT Waste dumps
Water pollution sources

MINERAL CONTENT
RT Dissolved solids

MINERAL DEPOSITS
UF Mineral resources
Ore deposits
Oxide mineral deposits
Sulfide mineral deposits
NT Coal deposits
Fossil fuel deposits
Gas fields
Gas reservoirs
Nonmetalliferous mineral deposits
Phosphate deposits
RT Assaying
Formations
Rare earth minerals

MINERAL ECONOMICS
RT Economic geography

MINERAL INDUSTRY
BT Industries
RT Hydraulic mine filling
Mines
Mining

MINERAL NEEDS
USE NUTRIENT REQUIREMENTS

MINERAL RESOURCES
USE MINERAL DEPOSITS
NATURAL RESOURCES

MINERAL WATER
BT Water types

MINERALOGY
BT Geology
RT Petrology

MINERALS
NT Kaolinite
Perlite
Quartz
RT Land resources
(Continued)

MINERALS (Continued)
RT Non-renewable resources
Petroleum
Soil aggregates
Soil components

MINERS INCH
BT Water measurement

MINES
NT Coal mines
Quarries
RT Exploration
Hydraulic mining
Land subsidence
Mineral industry
Open pit mining
Pits
Safety
Timbers
Underground openings
Ventilation

MINES (EXCAVATIONS)
UF Quarries
NT Coal mines
RT Clays
Drainage
Evaporitic rocks
Excavating equipment
Exploration
Face preparation (mining)
Fossil fuel deposits
Gems
Materials handling
Metalliferous mineral deposits
Reserves
Water influx
Metalliferous minerals
Mine fires
Mine haulage
Mine hoisting
Mine lighting
Mineral deposits
Mine shafts
Mine ventilation
Mine waters
Mining
Mining engineering
Nonmetalliferous mineral deposits
Nonmetalliferous minerals
(Continued)

MINES (EXCAVATIONS) (Continued)
RT Pits (excavations)
Reserves
Rocks
Safety
Shaft sinking
Stratigraphy
Subsidence
Subsurface structures
Underground explosions
Underground storage
Underground supporting
Waste disposal
Water influx

MINES (ORDNANCE)
NT Acoustic mines
Aerial mines
Antipersonnel mines
Antitank mines
Bottom mines
Bounding mines
Claymore mines
Claymorettes
Contact mines
Controlled mines
Floating mines
Gravel mines
Influence mines
Land mines
Limpet mines
Magnetic mines
Moored mines
Navel mines
Oscillating mines
Pressure mines
Riverine mines
Shallow water mines
Arming devices
Cluster weapons
Explosives

MINIMUM TEMPERATURE
BT Temperature
RT Freezing
Temperature ranges
Thermal stress

MINING
NT Ground water mining
Hydraulic mining
Open pit mining
(Continued)

MINING (Continued)
NT Placer mining
Quarrying
Strip mining
Surface mining
RT Excavators
Exploration
Grouting
Mineral industry
Mining towns
Strip mining
Timbers
Tunnel construction
Underground
Underground explosions
Waste dumps
Water influx

MINING ENGINEERING
UF Engineers (mining)
Mining engineers
BT Engineering

MINING ENGINEERS
USE MINING ENGINEERING

MINING GEOLOGY
BT Economic geology
Geology
RT Engineering geology
Geochemical prospecting
Geochemistry
Geophysical prospecting
Mining engineering
Petroleum geology
Dtratigraphy

MINING TOWNS
BT Types of towns
RT Mining

MINNOWS
BT Aquatic animals
Fishes
Freshwater fishes
Vertebrates

MINORITY GROUPS
UF Minorities
BT Population groups
NT Indians
RT Minority housing
Open housing
Open occupancy

MINORITY HOUSING
RT Minority groups
Segregation

MINORITIES
USE MINORITY GROUPS

MIST
RT Application methods
Fogs
Smogs
Water vapor

MIST IRRIGATION
BT Gravity irrigation
Irrigation
Irrigation systems
RT Sprays

MITICIDES
USE ACARICIDES

MIXED FORESTS
BT Forests
RT Coniferous forests
Deciduous forests
Succession

MIXED TOWNS
BT Land use

MIXERS
BT Plowing

MIXES
USE MIXTURES

MIXING
RT Circulation
Dispersion
Estuaries
Saline water-freshwater interfaces

MIXTURES
UF Mixes
NT Lime soil mixtures
Slurries
RT Fog
Smog
Smoke
Suspended solids

MOBILE CRANES
USE BUILDING METHODS

MOBILE HOME PARKS
USE MOBILE HOMES
TRAILERS AND TRAILER COURTS

MOBILE HOMES
UF Automobile trailers
Mobile-home parks
Portable houses
Houses
Trailers
RT Emergency housing
Housing
Tourist courts
Trailers and trailer courts

MOBILITY
NT Emigrations
Family mobility
Human mobility
Immigration
Residential mobility
RT Accessibility
Demography
Frictional unemployment
Migrations
Transportation

MODEL CITIES
UF Demonstration cities
BT Federal programs
Planning
RT New municipal ideals
Planned garden suburbs
Utopian uniformity of cities

MODEL COMMUNITIES
RT Planned communities

MODEL COMMUNITY BUILDERS
RT City planning
Future cities

MODEL COMPANY TOWNS
BT Planned communities

MODEL HOUSES
UF Exhibition houses
Houses, model
BT Residential development
RT Architecture, domestic

MODEL LAWS AND ORDINANCES
USE ZONING LEGISLATION--MODEL LAWS AND ORDINANCES

MODEL STUDIES
UF Physical models
NT Analog models
Aquifer model
Computer models
Fixed-bed models
Hydraulic models
Hydrologic models
Leontief models
Movable bed models
Resistance networks
Statistical models

MODEL TOWNS
UF Model villages
BT Planned communities
Urban type
NT New town development
Planned towns

MODEL VILLAGES
USE MODEL TOWNS

MODELS
NT Hydrologic models
Mathematical models
Structural models
Terrain models
RT Electric analogs
Layout
Scale (ratio)
Simulation
Simulators

MODERN ARCHITECTURE
USE ARCHITECTURE, MODERN

MODERNIZATION (HOUSES)
USE HOUSES - MAINTENANCE AND MODERNIZATION

MODULAR COORDINATION
RT Building construction
(Continued)

MODULAR COORDINATION (Continued)
RT Coordinated components
Prefabricated construction
Standardization

MOHOROVICIC DISCONTINUITY
BT Earth planetary structure

MOISTURE
UF Damp
NT Adsorbed water
Capillary water
Fringe water
Humidity
Hygroscopic water
Precipitable water
Precipitation (atmospheric)
Soil moisture
Subsurface moisture
Water content
Water vapor

MOISTURE AVAILABILITY
UF Available moisture
RT Adsorption
Arid lands
Crop response
Hygroscopic water
Moisture content
Moisture stress
Moisture tension
Moisture uptake
Phreatophytes
Root zone
Soil environment
Soil moisture
Soil water
Supplemental irrigation
Turgidity
Wilting

MOISTURE CONDENSATION
UF Dampness in buildings
Vapor barrier
Water
BT Condensation
RT Waterproofing
Air conditioning
Humidity
Ventilation

MOISTURE CONTENT
UF Unit water content
Wetness
NT Humidity
Field capacity
Optimum moisture content
Wilting point
RT Hot winds
Moisture deficit
Moisture meters
Moisture stress
Moisture uptake
Soil liquefaction
Soil moisture
Soil moisture meters
Subsurface moisture
Turgor
Unsaturated soils
Water application rate
Water content
Wilting
Wilting point

MOISTURE CONTROL
RT Wet condition

MOISTURE DEFICIT
RT Desertification
Dessiccation
Droughts
Evaporation
Limiting factors
Moisture content
Moisture stress
Moisture uptake
Plant physiology
Stomata
Transpiration
Water loss
Wilting point

MOISTURE EQUIVALENT
BT Soil moisture
Soil physical properties
RT Field capacity
Hygroscopic coefficient

MOISTURE METERS
BT Instrumentation
Measuring instruments
Test equipment
NT Soil moisture meters
(Continued)

MOISTURE METERS (Continued)
RT Moisture content
Water content

MOISTURE REQUIREMENTS
USE WATER REQUIREMENTS

MOISTURE STRESS
BT Stress
RT Animal physiology
Droughts
Drought tolerance
Moisture availability
Moisture content
Moisture deficit
Moisture uptake
Osmotic pressure
Plant physiology
Precipitation deficit
Thermal stress
Water requirements

MOISTURE TENSION
BT Tension

MOISTURE UPTAKE
RT Absorption
Adsorption
Consumptive uses
Moisture availability
Moisture content
Moisture deficit
Moisture stress
Osmosis
Osmotic pressure
Transpiration
Water requirements
Turgidity

MOISTURE USE
USE WATER UTILIZATION

MOLE DRAINAGE
RT Mole irrigation

MOLE IRRIGATION
BT Irrigation
RT Mole drainage

MOLECULAR DIFFUSION
USE DIFFUSION

MOLYBDENUM
BT Chemical elements
Metals
Refractory materials
Refractory metals
Transition metals
RT Molybdenite
Molybdenum alloys
Molybdenum compounds
Molybdenum isotopes

MOLYBDENUM ALLOYS
BT Alloys
Heat resistant alloys
Iron alloys
Metals
RT Molybdenum
Steel

MOMENTS
RT Statics

MONETARY BENEFITS
BT Benefits
RT Agricultural economics
Costs
Economic impact
Economic prediction
Economics
Financial feasibility
Income
Return (monetary)
Value

MONETARY VALUE
USE VALUE

MONEY
UF Currency
Greenbacks
BT Assets
RT Bimetallism
Capital
Foreign exchange
Gold standard

MONOCOTS
BT Plants (botany)
NT Barley
Bluegrasses
Bromegrass
Cereal crops
Corn (field)
(Continued)

MONOCOTS (Continued)
NT Ditch grass
Grasses
Kentucky bluegrass
Oats
Orchardgrass
Rice
Sorghum
Turf grasses
Wheat
Wheatgrasses
Wild rice

MONOPOLY
RT Competition
Economics

MONORAIL
RT Rapid transit

MONORAIL RAILWAYS
BT Railroads
RT Electric railroads
Rapid transit railways

MONSOONS
BT Wind (meteorology)
RT Precipitation (atmospheric)
Seasonal
Tropical cyclones
Wet seasons

MONTE CARLO METHOD
BT Analysis
Methodology
Numberical analysis
RT Approximation method
Markov processes
Mathematical analysis
Mathematical models
Mathematics
Operations research
Probability theory
Sequential analysis
Stimulation
Statistical models
Stochastic processes

MONUMENTS
NT Historical markers
Megalithic monuments
Memorials
(Continued)

MONUMENTS (Continued)
NT Obelisks
Poet's monuments
Pyramids
Sepulchral monuments
Soldier's monuments
Statues
Tomos
Topes
Triumphal arches
War memorials
RT Buildings
Plane surveying
Surveying

MOON
BT Celestial bodies
Natural satellites
RT Lunar eclipses
Lunar environment
Lunar geology
Lunar photography
Lunar structure
Lunar topography

MOON EARTH TRAJECTORIES
USE EARTH MOON TRAJECTORIES

MOORS
BT Waste lands

MORAINES
BT Alluvial deposits
Geologic deposits
Glacial deposits
Glacial geology
Land forms
Seiment deposits
RT Geology
Geomorphology
Glacial soils
Glaciation
Glaciers

MORBIDITY
RT Fishkill

MORNING GLORY SPILLWAYS
BT Spillways

MORPHOLOGY
RT Terrain
Terrain analysis
Topography

MORTALITY
RT Vital statistics

MORTARS
RT Grouting

MORTGAGE
RT Finance
Financing
Mortgage market
Real estate
Residential mortgage
Suburbanization
Urban growth
Open-end mortgage

MORTGAGE BANKS
RT Mortgage finance

MORTGAGE DEBT
USE MORTGAGE FINANCE

MORTGAGES, FARM
USE FARM MORTGAGES

MORTGAGE FINANCE
UF Chattel mortgage
Government assisted
housing
Housing-finance
Loans
Mortgage debt
Mortgage insurance
RT Banks and banking
Credit
Federal housing programs
Finance
Housing
Insurance
Investments
Land titles
Real property
Amortization tables
Direct loans for housing
Farm mortgages
Mortgage banks
Mortgage interest rates
Mortgage warehousing
Open-end mortgage
Packaged mortgage
Property improvement loans
Savings and loan associations
Veteran's guaranteed loans
(Continued)

MORTGAGE FINANCE (Continued)
RT Construction loans
Conveyancing

MORTGAGE INSURANCE
USE MORTGAGE FINANCE

MORTGAGE MARKET
RT Mortgage

MORPHOLOGY
BT Landscape
NT Fluvial morphology
Glacial geology
Lake morphology
RT Erosion
Languages

MORTALITY
UF Death rate
RT Air pollution
Demography
Endangered species
Environmental effects
Poisons
Population growth
Populations
Predation
Toxins
Water pollution

MOSAICS
RT Aerial surveys
Mapping
Maps

MOSQUITOES
UF Aedes species
BT Animals
Diptera
Insects
Invertebrates

MOSSES
UF Sphagnum species
BT Plants (botany)

MOTELS
UF Tourist courts
Trailers and trailer courts
BT Public buildings
Residential buildings
RT Commercial buildings

MOTION
RT Acceleration (physics)
Movement
Velocity
Vibration

MOTIVATION RESEARCH
UF Consumer motivation
BT Research
RT Attitudes
Consumer research

MOTOR COURTS
UF Tourist courts
Trailers and trailer courts
BT Temporary housing

MOTOR GENERATORS
BT Generators
Electric generators

MOTOR ROADS
BT Roads
RT Motor traffic

MOTOR TRAFFIC
BT Traffic
RT Motor roads

MOTOR TRANSPORTATION
USE HIGHWAY TRANSPORTATION

MOTOR TRUCKS
RT Fire fighting vehicles
Highway trains

MOTOR VEHICLES
NT Automobiles
Snow vehicles
RT Fire fighting vehicles
Vehicles

MOTORS
NT Electric motors

MOUNTAIN FARMING
BT Farming

MOUNTAIN FORESTS
BT Forests
RT Conservation
Rain forests
Snowpacks

MOUNTAIN GAPS
UF Mountain passes
BT Land forms
Topographic features

MOUNTAIN MEADOWS
BT Meadows

MOUNTAIN PASSES
USE MOUNTAIN GAPS

MOUNTAIN RIDGES
RT Land forms
Mountains

MOUNTAINS
UF Orography
BT Topographic features
RT Elevation
Hills
Mountain ridges
Volcanoes
Water gaps

MOUNTAINS
BT Land forms

MOVABLE DAMS
BT Dams

MOVEMENT
NT Base flow
Capillary action
Channel flow
Circulation
Circulation (animals)
Circulation (plants)
Closed conduit flow
Convection
Converging flow
Critical flow
Earth movement
Flow
Flow around objects
Fluid flow
Ground water flow
(Continued)

MOVEMENT (Continued)
NT Ground water movement
Natural flow
Open channel flow
Orifice flow
Overland flow
Regulated flow
Return flow
River currents
Saturated flow
Sheet flow
Sliding
Soil water movement
Stratified flow
Streamflow
Subsurface flow
Supercritical flow
Supersonic flow
Turbulent flow
Unsaturated flow
Unsteady flow
Water circulation
RT Earthquakes
Kinetics
Leaching
Motion
Path of pollutants
Persistence
Saltation
Sand waves
Sedimentation rates
Settling velocity
Turbulence
Underflow
Velocity
Water circulation

MOVEMENT OF FAMILIES
RT Migrant housing

MUCK
UF Muck soils
RT Slime

MUCK SOILS
USE MUCK

MUD
BT Earth materials
Materials
(Continued)

MUD (Continued)
BT Soils
RT Impervious soils
Slime

MUD FLATS
BT Land forms
Sediment deposits
RT Littoral

MUDFLOWS
RT Earth movements
Landslides
Mass wasting
Liquefaction

MUD GLACIERS
USE SOLIFLUCTION

MUDJACKING
RT Grouting
Pumping

MUDSTONE
BT Rocks
Sedimentary rocks

MUD-WATER INTERFACES
BT Boundaries (surfaces)
Earth-water interfaces
Interfaces
RT Intertidal zone

MULCHES
RT Composts
Plant residues (organic)

MULCHING
NT Stubble mulching
Vertical mulching
RT Crop response
Litter
Soil conservation
Soil management
Soil surfaces
Water conservation

MULES
BT Domestic animals
Equines
Eutheria
Livestock
(Continued)

MULES (Continued)
BT Mammals
Perissodactyla
Ungulata
Vertebrates

MULTICENTERED PATTERN
BT Spatial analysis

MULTIFUNCTIONAL CLASSIFICATION
BT Types of cities

MULTIJURISDICTIONAL AREA
USE COUNTY PLANNING
METROPOLITAN AREA PLANNING

MULTINUCLEATED THEORY
BT Urban dispersion

MULTIPHASE FLOW
RT Liquid flow
Mass flow

MULTIPLE ARCH DAMS
UF Arch dams
BT Arch dams
Concrete dams
Concrete structures
Dams
Engineering structures

MULTIPLE PURPOSE
RT Dual purpose
Multiple purpose structures
Multiple use

MULTIPLE PURPOSE PROJECTS
BT Projects
RT Multiple use
Optimum development plans

MULTIPLE PURPOSE RESERVOIRS
BT Bodies of water
Impoundments
Reservoirs
Standing waters
Surface waters
RT Multiple use

MULTIPLE PURPOSE STRUCTURES
BT Structures
RT Multiple purpose
Multiple use

MULTIPLE USE
RT Dual purpose
Multiple purpose
Multiple purpose projects
Multiple purpose reservoirs
Multiple purpose structures

MUNICIPAL ADMINISTRATION
USE MUNICIPAL GOVERNMENT

MUNICIPAL ADMINISTRATIONS
BT Local government structures

MUNICIRAL ANNEXATION
RT Intergovernmental relations
Municipal expansion
Urban growth

MUNICIPAL BONDS
UF Public securities
Revenue bonds
BT Bonds
Municipal revenues
RT Bonds
Finance
Investments
Municipal finances
Municipal financing
Securities

MUNICIPAL BOUNDARIES
BT Boundaries
Spatial patterns
RT Intergovernmental relations
Urban administration

MUNICIPAL CORPORATIONS
UF Public corporations
RT Administrative law
Corporations
Municipal government

MUNICIPAL DEPARTMENTS
RT Municipal plan commission

MUNICIPAL EMPLOYEES
USE MUNICIPAL GOVERNMENT

MUNICIPAL ENGINEERING
RT Civil engineering
Urban planning

MUNICIPAL EXPANSION
BT Urban growth
RT Municipal annexation

MUNICIPAL FINANCE
UF Finance, municipal
RT Budget
Corporations - Finance
Capital improvement program
Conveyancing
Finance
Municipal government
Local government - finance
Taxation
Municipal bonds
Municipal services
Tax delinquent land

MUNICIPAL FINANCES
NT Bond issues
Debt management
Municipal indebtedness
Municipal tax rates
Municipal taxes
RT Municipal bonds
Municipal expenditures
Municipal purchasing
Pension funds

MUNICIPAL FINANCING
RT Floating debentures
Municipal bonds

MUNICIPAL FORESTS
USE COMMUNITY FORESTS

MUNICIPAL GOVERNMENT
UF City government
Government, municipal
Local public agencies
Mayors
Municipal administration
Municipal employees
Municipal officers
Municipalities
BT Governments
Urban governments
NT City manageer government
RT Local government
Political science
City planning administrative
Fringe areas
Intergovernmental relations
Municipal finance
Public administration
Annexation
(Continued)

MUNICIPAL GOVERNMENT (Continued)
RT City manager government
County government
Metropolitan government
Municipal corporations
Municipal leagues
Municipal ordinances
Town planning commission

MUNICIPAL HOUSING
RT Public housing

MUNICIPAL LEAGUES
RT Municipal government

MUNICIPAL OFF STREET PARKING
BT Parking

MUNICIPAL OFFICERS
USE MUNICIPAL GOVERNMENT

MUNICIPAL ORDINANCES
RT Municipal government
Municipal regulations

MUNICIPAL PARKS
BT Parks

MUNICIPAL PLAN COMMISSION
RT Municipal departments
Planning

MUNICIPAL PLANNING
BT Planning

MUNICIPAL REFUSE DISPOSAL
BT Public services

MUNICIPAL REGULATIONS
UF Municipal restrictions
NT Building codes
Building heights
Building regulations
Building standards
City ordinances
Fair housing ordinance
Land subdivision ordinance
Land use controls
Minimum property standards
Noise control
Subdivision regulations
RT Land values
(Continued)

MUNICIPAL REGULATIONS (Continued)
RT Maintenance codes
Municipal ordinances
Official maps
Zones
Zoning
Zoning ordinances

MUNICIPAL RESTRICTIONS
UF Municipal regulations
RT Land use controls

MUNICIPAL REVENUES
NT City income taxes
municipal bonds
RT Municipal expenditures
Municipal levies

MUNICIPAL SERVICES
BT Public services
Transportation
Urban services
NT Municipal franchises
Municipal service levels
Municipal service units
Public transportation
RT Expenditures
Penal institutions

MUNICIPAL UNITS
NT Townships

MUNICIPAL WASTES
UF Metropolitan wastes
BT Wastes
RT Water pollution sources

MUNICIPAL WATER
BT Water
Water types

MUNICIPALITIES
UF Municipal government
BT Administrative areas
Governmental unit
Local government structure
NT Boroughs
City corporation
Municipal corporations
Municipal departments
Municipal levies
Municipal records
Municipal tax rates
(Continued)

MUNICIPALITIES (Continued)
NT Suburban municipalities
RT Local governments

MUSEUMS
RT Cultural centers

MUSKRATS
USE RODENTS

NANOPHANEROPHYTES
BT Life forms (plants)

NAPHTHALENE COMPOUNDS
UF Naphthyl compounds
NT Aldrin
Dieldrin

NAPHTHYL COMPOUNDS
USE NAPHTHALENE COMPOUNDS

NASCENT URBAN COMMUNITIES
BT Communities
Types of cities

NATIONAL BATTLEFIELDS
BT Federal reservations
Public land

NATIONAL DEFENSE
UF Protective construction
NT Civil defense
RT Industrial mobilization
Warning systems

NATIONAL ECONOMY
RT Economic planning

NATIONAL FOREST POLICIES
USE FOREST POLICIES

NATIONAL FORESTS
BT Federal reservations
Forests
Public land
RT Conservation

NATIONAL GOVERNMENT
BT Government
Political systems
NT Federal housing programs
RT National planning
Federal aid to cities

NATIONAL HISTORIC PARKS
BT Federal reservations
National parks
Parks
Public land

NATIONAL HISTORIC SITES
BT Federal reservations
Public land
RT Indian reservations

NATIONAL HOUSING ACT
BT Federal programs
Law

NATIONAL INCOME
BT Income
RT Federal budget

NATIONAL LAKESHORES
BT Federal reservations
Public land

NATIONAL MEMORIALS
BT Federal reservations
Public land

NATIONAL MONUMENTS
BT Federal reservations
Public land

NATIONAL PARKS
BT Land
Parks
NT National historic parks
RT National wildlife refuges
Open space
Recreational facilities
Scenic highways
Tourism
Ungrazed

NATIONAL PLANNING
UF Planning
BT Planning
RT National government

NATIONAL RECREATION AREAS
BT Federal reservations
Public land

NATIONAL SEASHORES
BT Federal reservations
Public land
Seashores
Shores

NATIONAL WILDLIFE REFUGES
RT National parks

NATIONALIZATION (LAND)
USE LAND NATIONALIZATION

NATIVE MIGRANTS
USE MIGRANTS

NATURAL AREAS
UF Wilderness areas
Wildlife preserves
RT Open spaces
Ungrazed

NATURAL ASPHALTS
RT Gilsonite

NATURAL BARRIERS
BT Boundaries

NATURAL BITUMENS
BT Bitumens
NT Gilsonite

NATURAL BOUNDARIES
BT Boundaries

NATURAL DIVISION
BT Spatial patterns

NATURAL DRAINAGE DIVIDES
USE WATERSHEDS (DIVIDES)

NATURAL FIBERS
BT Fibers
NT Animal fibers
Plant fibers
Wood fibers
RT Synthetic fibers

NATURAL FLOW
BT Channel flow
Flow
Fluid flow
Movement
River flow
Streamflow
RT Natural flow doctrine
Regulated flow

NATURAL FLOW DOCTRINE
BT Legal aspects
Riparian rights
Water law
Water rights
RT Adjudication procedure
Alteration of flow
(Continued)

NATURAL FLOW DOCTRINE (Continued)
RT Diversion
Natural flow
Obstruction to flow
Reasonable use
Relative rights

NATURAL FORESTS
RT Forest reserves

NATURAL FREQUENCY
BT Frequency

NATURAL GAS
BT Gases
NT Liquified natural gas
RT Fuels
Gas production
Gas reservoirs
Gas storage
Reserves

NATURAL HISTORY
UF Nature study
RT Ecology

NATURAL INCREASE
USE PRODUCTIVITY

NATURAL LOCATION
BT Spatial patterns

NATURAL RADIOFREQUENCY INTERFERENCE
BT Electromagnetic interference
Radiofrequency interference
NT Atmospherics

NATURAL RECHARGE
BT Recharge
RT Aquifers
Infiltration
Precipitation (atmospheric)
Seepage
Storage coefficient
Surface-ground water relationships
Water table
Zone of saturation

NATURAL REGIONS
BT Regions

NATURAL RESOURCE CONSERVATION
UF Conservation
NT Forest conservation
Soil conservation
Water conservation
Wild flower conservation
Wildlife conservation

NATURAL REGENERATION (FORESTS)
USE FOREST REGENERATION (natural)

NATURAL RESOURCES
UF Conservation (natural resources)
Ecology
Environment
Mineral resources
Pollution
BT Resources
NT Atmosphere
Hydroelectric resources
Land resources
Open space land
Petroleum
Water resources
RT Conservation education
Forests
Land
Power resources
Reforestation
Scenery
Soil algae
Water supply
Water resources development

NATURAL SATELLITES
BT Celestial bodies
NT Moon
RT Artificial satellites
Asteroids
Binary stars
Meteoroids
Planets

NATURAL SCIENCES
NT Biological sciences
Physical sciences

NATURAL STREAMS
UF Natural watercourses
BT Land forms
Rivers
Running waters
Streams
Surface waters
Watercourses (legal)
Waterways

NATURAL USE
BT Water utilization

NATURAL WATERCOURSES
USE NATURAL STREAMS

NATURALIZATION (PLANTS)
USE PLANT ACCLIMATIZATION

NATURE OF CITIES
NT Individuality of cities
RT Urban characteristics

NATURE OF WATER
USE WATER PROPERTIES

NATURE STUDY
USE NATURAL HISTORY

NAVAL MINES
UF Underwater mines
BT Mines (ordnance)
NT Shallow water mines
RT Earth dams

NAVIGATION DAMS
BT Dams
Hydraulic structures
NT Concrete dams
RT Earth dams
Locks (waterways)
Navigable rivers
Navigable waters
Navigation

NAVIGATION, INLAND
USE INLAND NAVIGATION

NAVIGABLE RIVERS
UF Great rivers
BT Channels
Inland waterways
Land forms
(Continued)

NAVIGABLE RIVERS (Continued)
BT Navigable waters
Rivers
Surface waters
Waterways
RT Boundaries (property)
Bodies of water
Lock gates
Navigation
Navigation dams
Ownership of beds
River beds
Running waters
Streams

NAVIGABLE WATERS
UF Floatable streams
Saw log test
BT Bodies of water
NT Harbors
Inland waterways
Navigable rivers
RT Lakes
Lock gates
Ownership of beds
Streambeds

NEEDS
USE REQUIREMENTS

NEGATIVE INCOME TAX
USE GUARANTEED ANNUAL INCOME

NEGATIVE PRESSURE
RT Soil suction

NEGLIGENT INUNDATION
USE FLOODS

NEIGHBORHOOD CENTERS
BT Recreation

NEIGHBORHOOD CONSERVATION
UF Neighborhood rehabilitation
BT Conservation
RT Neighborhood parks
Neighborhoods
Renewal
Urban conservation

NEIGHBORHOOD DENSITY
BT Spatial analysis
RT Neighborhood parks

NEIGHBORHOOD PARKS
RT Neighborhood conservation
Neighborhood density

NEIGHBORHOOD PLANNING
UF Community planning
BT City planning
Planning
RT City planning
Community development
Planning

NEIGHBORHOOD RECLAMATION
UF Neighborhood rehabilitation
BT Urban renewal
RT Neighborhoods

NEIGHBORHOOD REHABILITATION
UF Conservation (city planning)
Neighbhodhood conservation
Neighborhood reclamation
Rehabilitation
Slum rehabilitation
Urban rehabilitation
RT City planning
Housing
Housing codes
Housing law enforcement
Business districts
Model cities
Houses - maintenance and modernization
Urban renewal
Slums

NEIGHBORHOOD STABILIZATION
RT Urban migration

NEIGHBORHOOD SURVEYS
RT Survey methods

NEIGHBORHOOD URBAN EXTENSION
BT Community organizations

NEIGHBORHOODS
UF Communities
BT Community types
Spatial patterns
Urban area classification
Urban areas
NT Chinatowns
Ghettos
High rent neighborhoods
(Continued)

NEIGHBORHOODS (Continued)
NT Immigrant neighborhoods
Intermediate rental neighborhoods
Low rent neighborhoods
Residential districts
Resurgent neighborhoods
RT Bowery
Community renewal
Neighborhood analysis
Neighborhood business s streets
Neighborhood commons
Neighborhood conservation
Neighborhood parks
Neighborhood reclamation
Residence

NERITIC
RT Littoral

NEMATODES
BT Animals
Invertebrates
RT Aquatic animals
Aquatic microorganisms
Entomology
Microbiology
Nematocides
Parasites
Soil microbiology
Soil microorganisms
Soil sterilants
Water pollution sources

NESTING COVER
BT Vegetal cover

NETS
UF Seines
NT Plankton nets
RT Samplers

NETTLES (SEA)
USE SEA NETTLES

NETWORK ANALYSIS
RT Analogs
Circuits
Electric current
Electric potential
Networks
Switching circuits

NETWORK ANALYSIS (MANAGEMENT)
NT Critical path method
PERT
RT Industrial engineering
Management engineering

NETWORK ANALYSIS THEORY
RT Gyrators

NETWORK DESIGN
BT Design
RT Circuits
Networks

NETWORKS
NT Electric networks
Transmission lines
RT Data transmission
Network analysis
Network design

NEW COMMUNITIES
UF New towns
Planned communities
RT Suburban developments
Suburbanization

NEW TOWN CONCEPT
BT Town planning

NEW TOWNS
UF New communities
BT Planned communities
Types of towns
NT New town development
RT Parkland towns
Satellite cities
Town relocation planning

NEWTS
USE AMPHIBIA

NICKEL
UF Raney nickel
BT Chemical elements
Metals
Transition metals
RT Nickel isotopes

NICKEL ALLOYS
BT Alloys
Metals
(Continued)

NICKEL ALLOYS (Continued)
RT Heat resistant alloys
Nickel
Nickel compounds
Stainless steel
Steel

NIGHT SOILS
BT Manures

NIOBIUM
UF Columbium
BT Chemical elements
Metals
Refractory metals
RT Niobium alloys
Niobium compounds
Superconductors

NIOBIUM
UF Columbium
BT Metals
Refractory materials
Refractory metals
Transition metals
RT Niobium isotopes

NIOBIUM ALLOYS
BT Alloys
Heat resistant alloys
Metals
RT Niobium

NITRATE MINERAL DEPOSITS
USE NONMETALLIFEROUS
MINERAL DEPOSITS

NITRATES
BT Chemical compounds
Nitrogen compounds
RT Fertilizers
Leaching
Water pollution sources

NITRIFICATION
BT Chemical reactions

NITRILOTRIACETIC ACID
UF NTA
RT Chelation
Chemical wastes
Chemicals
(Continued)

NITRILOTRIACETIC ACID (Continued)
RT Detergents
Phosphates
Soaps
Surfactants
Water pollution sources

NITROGEN
BT Chemical elements
Gases
Nonmetals

NITROGEN COMPOUNDS
UF Nitrogeneous compounds
BT Chemical compounds
NT Nitrates
Urine
RT Fertilizers

NITROGEN CYCLE
BT Cycles

NITROGEN FIXING BACTERIA
BR Bacteria
Microorganisms
NT Azotobacter
Clostridium
Rhizobium
RT Nitrogen fixation
Soil bacteria
Soil microorganisms

NITROGEN INORGANIC COMPOUNDS
NT Ammino compounds
Ammonia
Ammonium nitrate
Cesium nitrate
Hydrazine
Inorganic azides
Inorganic nitrates
Iron nitrates
Lead azides
Lead nitrates
Nitric acid
Nitrogen dioxide
Nitrogen fluorides
Nitrogen halides
Nitrogen oxide ($N_2O$)
Nitrogen oxide (NO)
Nitrogen oxides
Nitrogen pentoxide
Nitrosyl chloride
Nitrosyl halides
(Continued)

NITROGEN INORGANIC COMPOUNDS (Continued)
NT Nitrous acids
Nitryl halides
Potassium nitrate
Silver nitrate
Sodium azides
Sodium nitrates
Yttrium nitrates
RT Borzzines
Group 5A compounds
Hydrazoic acid
Nitrides
Nitrites
Nitrogen organic compounds

NITROGEN OXIDES
BT Nitrogen inorganic compounds
Oxides
NT Nitrogen dioxide
Nitrogen oxide ($N_2O$)
Nitrogen oxide (NO)
Nitrogen pentoride

NITROGENOUS COMPOUNDS
USE Nitrogen compounds

NO PRECIPITATION SEASONALITY
BT Precipitation (atmospheric)
RT Arid climate
Extremely arid climate
Meigs climatic classification
Semiarid climate
Summer precipitation
Weather patterns
Winter precipitation

NOBLE FIR TREES
UF Abies procera
BT Coniferous trees
Conifers
Fir trees
Gymnosperms
Plants (botany)
Trees

NOBLE METALS
USE PRECIOUS METALS

NODAL
BT Street patterns

NODAL REGIONS
BT Regions

NODALITY
BT Geographic concepts
Spatial analysis
Spatial patterns

NOISE
RT Noise control

NOISE CONTROL
BT Municipal regulations
RT Noise
Sound

NOISE MEASUREMENT
USE ACOUSTIC MEASUREMENT

NOISE REDUCTION
UF Noise supression

NOISE (SOUND)
BT Mechanical waves
Radiation
NT Aircraft noise
Engine noise
Jet engine noise
Sonic boom

NOISE SUPRESSION
USE NOISE REDUCTION

NONCIRCULAR CONDUITS
RT Sewers

NONCOHESIVE SOILS
UF Cohesionless soils
Granular soils
BT Soils
RT Angle of repose
Cohesive soils
Gravels
Sands

NONCONSUMPTIVE USE
BT Water utilization
RT Beneficial use
Competing use (water)
Fish management
Preferences (water rights)
Recreation
Stream pollution
(Continued)

NONCONSUMPTIVE USE (Continued)
    RT Waste disposal
        Water consumption
        Water pollution
        Wildlife conservation

NON-GAME BIRDS
    BT Animals
        Birds
        Wildlife
    NT Water birds
    RT Bird types

NONCENTRAL BUSINESS LAND USES
    BT Land use

NONCLASTIC ROCKS
    UF Endogenetic rocks
    NT Anthracite
        Bituminous coal
        Cannel coal
        Carbonaceous rocks
        Coal
        Gypsum deposits
        Lignite
        Nitrate deposits
        Potash deposits
        Rock salt deposits
        Semibituminous coal
        Soda ash deposits
        Subbituminous coal

NONCOMMERCIAL LAND USES
    BT Land use

NONCONTIGUOUS URBAN DEVELOPMENT
    BT Urban development

NONFARM AREAS
    RT Land use

NONFARM POPULATION
    RT Population characteristics

NONFREEHOLD ESTATES
    BT Real property

NONMECHANICAL CLASSIFIERS
    BT Classifiers
        Separators
    NT Sand tanks

NONMETALLIFEROUS MINERAL DEPOSITS
    UF Arsenate mineral deposits
        Borate mineral deposits
        Carbonate mineral deposits
        Halogen mineral deposits
        Nitrate mineral deposits
        Silicate mineral deposits
    BT Mineral deposits
    NT Anhydrite deposits
        Asbestos deposits
        Graphic deposits
        Gypsum deposits
        Nitrate deposits
        Phosphate deposits
        Potash deposits
        Rock salt deposits
        Soda ash deposits
        Sulfur deposits

NONMETALLIFEROUS MINERALS
    UF Ores (nonmetallic)
    NT Amesite
        Anhydrite
        Aragonite
        Asbestos
        Attapulgite
        Barite
        Beidellites
        Bentonite
        Biotite
        Borax
        Calcite
        Carbonate minerals
        Clay minerals
        Cristobalite
        Diamonds
        Dolomite (mineral)
        Fireclays
        Fluorite
        Fullers earth
        Glauconite
        Gypsum
        Halloysite
        Illite
        Kaolin
        Kaolinite
        Mica
        Montorillonite
        Muscovite
        Opal
        Phlogopite
        Quartz
        Rock salt
        (Continued)

NONMETALLIFEROUS MINERALS (Continued)
NT Silica minerals
Sulfur
Trona

NONMETALS
BT Chemical elements
NT Bromine
Carbon
Chlorine
Halogens
Hydrogen
Nitrogen
Oxygen
Phosphorus
Selenium
Sulfur

NONPARASITIC DISEASES (PLANT)
BT Plant diseases

NON-PERENNIAL STREAMS
BT Bodies of water
Running waters
Streams
Waterways
NT Ephermeral streams
Intermittent streams
RT Seasonal
Streamflow

NONPROFIT HOUSING ORGANIZATIONS
UF Development corporations
Corporations, nonprofit
Turnkey housing
RT Corporation law
Corporations
Housing

NON-RENEWABLE RESOURCES
RT Minerals
Fossil fuels
Gases
Coal
Petroleum

NONROTATING GENERATORS
USE DIRECT POWER GENERATORS

NONSTEADY FLOW
USE UNSTEADY FLOW

NONSTRUCTURAL ALTERNATIVES
RT Forecasting
Legal aspects
Planning
Regulation
Taxes
Water management (applied)
Water policy
Water rights
Water utilization
Zoning

NON-THERMAL SPRINGS
USE COLD SPRINGS

NORMAL STRAIN
BT Strain

NORTHERN PINE TREES
USE WHITE PINE TREES

NORTHWARD MOVEMENT
USE MIGRATION

NORWAY PINE TREES
USE RED PINE TREES

NOXIOUS PLANTS
RT Undesirable plants

NOZZLES
RT Intakes

NTA
USE NITRILOTRIACETIC ACID

NUCLEAR ENERGY
UF Atomic energy
Atomic power
Nuclear power
BT Energy
RT Nuclear powerplants
Nuclear reactors

NUCLEAR ENGINEERING
BT Engineering
NT Nuclear powerplants

NUCLEAR EXCAVATION
BT Excavation
Explosive excavation
RT Explosions

NUCLEAR EXPLOSION DAMAGE
USE DAMAGE

NUCLEAR EXPLOSIONS
UF Air nuclear explosions
Atomic explosions
High altitude nuclear explosions
Low altitude nuclear explosions
Surface nuclear explosions
Underground nuclear explosions
BT Explosions

NUCLEAR FISSION
BT Nuclear reactions

NUCLEAR FUELS
UF Reactor fuels

NUCLEAR FUSION
UF Fusion (nuclear)
BT Nuclear reactions
RT Chain reactions
Magnetic mirrors
Magnetohydrodynamics
Nuclear capture
Nuclear explosions
Nuclear fission
Nuclear warheads
Thermonuclear energy
Thermonuclear reactions

NUCLEAR METERS
RT Soil density
Soil density probes
Soil moisture meters

NUCLEAR PILES
USE NUCLEAR REACTORS

NUCLEAR POWER
USE NUCLEAR ENERGY

NUCLEAR POWERPLANTS
UF Atomic plants
BT Electric powerplants
Industrial plants
Powerplants
RT Desalination plants
Electric power industry
(Continued)

NUCLEAR POWER PLANTS (Continued)
RT Electric power production
Facilities
Nuclear energy
Nuclear engineering
Radioactive wastes
Thermal power
Thermal powerplants

NUCLEAR REACTIONS
UF Fission (nuclear)
NT Nuclear fission
Nuclear fusion

NUCLEAR REACTOR SITES
RT Site surveys

NUCLEAR REACTORS
UF Atomic reactors
Fission reactors
Nuclear piles
Reactors (nuclear)
NT Heterogeneous reactors (nuclear)
Water cooled reactors
RT Desalination plants
Desalination processes
Nuclear energy

NUCLEAR WASTES
USE RADIOACTIVE WASTES

NUCLIDES
NT Hydrogen isotopes
Isotopes
Radioactive isotopes
Tritium

NUISANCE INDUSTRIES
BT Industries
Zoning

NUISANCE (WATER LAW)
USE WATER POLLUTION

NUMERICAL ANALYSIS
UF Numerical methods
NT Approximation
Difference equations
Divided differences
Error analysis
Finite difference theory
(Continued)

NUMERICAL ANALYSIS (Continued)
NT Gaussian quadrature
Gauss-Seidel method
Interpolation
Iteration
Mathematical tables
Monte Carlo method
Newton-Raphson methods
Nomographs
Numerical differentiation
Numerical integration
Numerical precision
Numerical quadrature
Predictor corrector methods
Random numbers
Rayleigh-Ritz method
Relaxation method (mathematics)
Runge-Kutta method
Simpsons rule
Truncation errors

NUMERICAL METHODS
USE NUMERICAL ANALYSIS

NURSERIES DAY
USE DAY NURSERIES

NURSING HOMES
UF Aged
Old age homes
NT Housing for the aged
RT Health centers
Hospitals
Old age
Sick
Housing for the aged
Welfare

NUTRIENT REQUIREMENTS
UF Mineral needs
Nutrition
RT Crop response

NUTRIENTS
NT Plant nutrition
RT Fertility
Fertilizers
Foods
Leaching
Soil analysis
Waste assimilative capacity

NUTRITION
USE NUTRIENT REQUIREMENTS

OAK TREES
UF Quercus
BT Crops
Deciduous trees
Dicots
Horticultural crops
Plants (botany)
Trees
RT Chaparral

OATS
UF Avena sativa
BT Agronomic crops
Cereal crops
Crops
Field crops
Grasses
Monocots
Plants (botany)
RT Grains (crops)

OBLIGATIONS
USE QUASI CONTRACTS (LAW)

OBSERVATION WELLS
RT Marginal wells

OBSOLESCENCE
NT Engineering obsolescence
RT Depreciation
Obsolte housing
Obsolete metropolitan areas

OBSOLESCENCE (BUILDINGS)
USE DEPRECIATION AND OBSOLESCENCE (BUILDINGS)

OBSOLETE HOUSING
RT Housing conditions
Obsolescence

OBSOLETE HOUSING CODES
BT Housing codes

OBSOLETE METROPOLITAN AREAS
RT Obsolescence
Urban renewal

OBSTRUCTION TO FLOW
RT Barriers
Energy dissipation
Friction
(Continued)

OBSTRUCTION TO FLOW (Continued)
RT Piers
Riparian rights
Streamflow

OCCUPANCY
NT Tenancy
Tenants

OCCUPATIONAL COURSES
USE VOCATIONAL EDUCATION

OCCUPATIONAL HOME ECONOMICS
UF Home economics gainful employment
Home economics wage earning
BT Home economics education

OCCUPATION
RT Abilities
Careers
Crafts
Employment
Engineering
Labor
Labor mobility
Labor supply
Manpower
Safety
Salaries
Social needs
Specialization
Training
Work
Working conditions

OCCUPATIONAL TRAINING
USE VOCATIONAL EDUCATION

OCEAN BEACHES
BT Beaches
Land forms
RT Beach erosion
Beach sands
Breakwaters
Littoral drift
Littoral zone
Oceanography
Oceans
Ocean waves
Rip currents
Sea walls
(Continued)

**OCEAN BEACHES** (Continued)
RT Shore protection
Surf
Tidal effects
Tidal waters
Tides
Tsunamis
Wave action
Wave run-up.

**OCEAN BOTTOM**
RT Earth surface

**OCEAN CURRENTS**
RT Tides
Water flow
Littoral drift
Littoral

**OCEAN ENVIRONMENTS**
BT Environments

**OCEAN RIDGES**
BT Mountain ridges

**OCEAN WATER**
USE SEA WATER

**OCEAN WAVES**
RT Sea walls
Littoral drift
Tides
Waves energy

**OCEANIC CRUST**
BT Earth crust
Earth planetary structure

**OCEANOGRAPHIC CHARTS**
RT Hydrographic charts

**OCEANOGRAPHY**
UF Oceanology

**OCEANOLOGY**
USE OCEANOGRAPHY

**OCEANS**
UF Seas
BT Bodies of water
Land forms
Surface waters
(Continued)

**OCEANS** (Continued)
RT Earth hydrosphere
Fjords
Littoral
Straits

**ODD LOT HOUSING MARKET**
BT Housing market

**ODOR CONTROL**
NT Deodorizing
RT Activated carbon treatment
Aeration
Air pollution
Anaerobic processes
Biochemical oxygen demand
Chemical removal (sewage treatment)
Cleaning
Decontamination
Dilution
Exhaust systems
Filtration
Fumes
Masking
Microorganism control (sewage)
Microorganism control (water)
Odors
Pollution
Purification
Refrigerating
Ventilation

**ODOR-PRODUCING ALGAE**
BT Algae
Aquatic algae
Aquatic life
Aquatic plants
Plants (botany)
RT Odor
Water pollution sources
Water quality

**ODORS**
RT Airborne wastes
Air pollution
Attractants
Combustion products
Deodorizing
Exhaust gases
Flavor
Odor control
Organoleptic properties
(Continued)

ODORS (Continued)
RT Smell
Taste
Water analysis

OFF STREET PARKING
BT Parking

OFFICE BUILDINGS
RT Architecture
Industrial buildings

OFFICE EDUCATION
USE OFFICE OCCUPATIONS EDUCATION

OFFICE LIGHTING
USE COMMERCIAL LIGHTING

OFFICE OCCUPATIONS EDUCATION
UF Office education
BT Business education

OFFICE SPACE
USE SPACE CONSIDERATIONS

OFFICIAL PLAN
USE MASTER PLAN

OFFSETS
RT Plane surveying
Surveying

OFFSHORE PLATFORMS
BT Engineering structures
Hydraulic structures

OGEE CRESTS
BT Spillways

OIL FIELDS
RT Gas fields
Oil industry
Oil reservoirs
Oils

OIL ENGINES
USE INTERNAL COMBUSTION ENGINES

OIL-FILLED CABLES
RT Electric cables
Electric power
Transmission (electrical)

OIL FILTERS
BT Liquid filters

OIL FLOW
USE LIQUID FLOW

OIL INDUSTRY
BT Industries
RT Exploration
Oil fields
Oils

OIL REFINING
USE PETROLEUM REFINING

OIL REFINERIES
USE REFINERIES

OIL RESERVOIRS
UF Reservoirs
RT Flooding
Gas fields
Geologic formations
Oil fields
Oils

OIL SHALE
BT Rocks
Sedimentary rocks
Shale

OIL SPILLS
BT Water pollution sources
RT Water pollution

OIL WASTES
BT Wastes
Water pollution sources
RT Water pollution sources

OIL-WATER INTERFACES
BT Boundaries (surfaces)
Interfaces

OIL WELL DRIVES
RT Gas production

OIL WELLS
BT Wells
RT Marginal wells

OILS
UF Straw oil
(Continued)

OILS (Continued)
  BT Fluids
  NT Fuel oil
     Shale oil
  RT Oil fields
     Oil industry
     Oil reservoirs
     Fuels
     Petroleum

OILY WATER
  RT Water pollution sources

OLD AGE
  UF Aged
     Old age homes
     Retirement
  RT Health
     Housing for the aged
     Nursing homes

OLD AGE HOMES
  USE NURSING HOMES
     OLD AGE

OMBUDSMAN
  RT Public personnel

ON-SITE DATA COLLECTIONS
  BT Analytical techniques
     Data collections
     Techniques
  RT Hydrologic data
     Quadrat
     Quantitative sampling
     Research areas
     Sampling
     Surveys
     Terrain analysis

ON-SITE INVESTIGATIONS
  USE FIELD INVESTIGATIONS

ON-SITE TESTS
  USE FIELD TESTS

ONE WAY STREETS
  BT Spatial patterns
     Streets
  RT Highways

OPEN AREAS
  BT Land
     Land use
  RT Recreation

OPEN CHANNEL FLOW
  UF Hydraulics (river)
     River hydraulics
  BT Channel flow
     Flow
     Fluid flow
     Liquid flow
     Movement

OPEN CHANNELS
  BT Channels
  NT Canals
     Flumes
     Lined canals
     Unlined canals
     Venturi flumes
  RT Sewers
     Test canals
     Grassed waterways
     Hydraulic jump
     Hydraulics
     Junctions
     Open channel flow
     Roughness (hydraulic)
     Sewers
     Test canals
     Trapezoidal channels
     Trapezoidal flumes

OPEN DRAINS
  BT Drains
  RT Drainage

OPEN-END MORTGAGE
  UF Maintenance mortgage
  RT Mortgage finance
     Property improvement loans

OPEN FIELDS
  BT Land use
  RT Agriculture

OPEN FIELD SYSTEMS
  BT Land tenure
  RT Feudalism

OPEN HOUSING
  NT Open occupancy
  RT Housing regulations
     Minority groups

OPEN LAND
  RT Parks

OPEN LAND PLANNING
    BT Rural planning

OPEN LAND REDEVELOPMENT
    RT Land development
        Urban redevelopment

OPEN OCCUPANCY
    BT Open housing
    RT Housing regulations
        Minority groups
        Race relations

OPEN PIT MINING
    BT Mining
        Surface mining
    NT Quarrying
    RT Mines
        Pits
        Strip mines

OPEN SPACE
    RT Development rights
        National parks
        Parks
        Visual resources

OPEN SPACE LAND
    BT Land use
        Natural resources

OPEN SPACE LAND PROGRAM
    NT Open space requirements

OPEN SPACE PLAN
    BT Open spaces
        Urban planning

OPEN SPACE REQUIREMENTS
    BT Open space land program
        Open spaces

OPEN SPACES
    BT Land use
        Space
    NT Air space
        Cluster zoning
        Court yards
        Courthouse squares
        Golf courses
        Green belts
        Greenways
        (Continued)

OPEN SPACES
    NT Neighborhood commons
        Open space plan
        Open space requirements
        Park distribution
        Park girdle
        Parks
        Public gardens
        Terraces
        Usable open space
        Vacant lands
        Wild park
    RT Natural areas
        Park development
        Park planning
        Wildlife preserves

OPERATING CONDITIONS
    USE ENVIRONMENTS

OPERATING COSTS
    BT Costs
    RT Operation and maintenance

OPERATING CRITERIA
    BT Criteria
    RT Operations

OPERATING INFLUENCE (INSTRUMENTS)
    USE ENVIRONMENTS

OPERATION AND MAINTENANCE
    UF Maintenance and operations
    NT Irrigation operation and maintenance
        Power operation and maintenance
    RT Operating costs
        Operation and maintenance costs
        Operations

OPERATION AND MAINTENANCE COSTS
    BT Costs
    RT Operation and maintenance

OPERATION BREAKTHROUGH
    UF Industrialized building
    RT Housing market
        Building methods
        Federal housing programs
        Housing research
        Prefabricated construction

OPERATIONS
NT Power system operations
Reservoir operation
RT Operating criteria
Operation and maintenance
Regulation

OPERATIONS RESEARCH
NT Critical path method
Economic models
Game theory
Management games
PERT
Transportation models
Queueing theory
RT Computer applications
Information theory
Scientific method
Simulation
Systems analysis
Systems engineering

OPINION, PUBLIC
USE PUBLIC OPINION

OPINION SURVEYS
USE PUBLIC OPINION SURVEYS

OPTICAL INSTRUMENTS
RT Surveying instruments

OPTIMUM CROP YIELD
RT Crops
Marketing
Optimum use

OPTIMUM DESIGN
BT Design
RT Efficiencies
Optimum development plans
Optimum use

OPTIMUM DEVELOPMENT PLANS
RT Multiple purpose projects
Optimum design
Optimum use
River basin development
Water resources development
Water utilization

OPTIMUM MOISTURE CONTENT
UF Optimum water content
BT Moisture content

OPTIMUM WATER CONTENT
USE OPTIMUM MOISTURE CONTENT

OPTIMUM USE
RT Optimum crop yield
Optimum design
Optimum development plans

ORBITAL TRAJECTORIES
USE ORBITS

ORBITS
UF Keplerian trajectories
Orbital trajectories
Quadrature
Satellite orbits
NT Earth orbits

ORCHARDGRASS
UF Dactylis glomerata
BT Agronomic crops
Crops
Field crops
Forage grasses
Forages
Grasses
Monocots
Plants (botany)

ORCHARDS
BT Crops
Horticultural crops
Plants (botany)
RT Industrial crops

ORDEAL CITIES
BT Types of cities

ORDINANCES
UF Legislation
RT Zoning ordinances

ORE DEPOSITS
USE MINERAL DEPOSITS

ORES (NONMETALLIC)
USE NONMETALLIFEROUS MINERALS

ORGANIC CLAYS
BT Clays
Earth materials
Finegrained soils
(Continued)

ORGANIC CLAYS (Continued)
BT Fines
Materials
Organic soils
Soils
Soil types

ORGANIC COMPOUNDS
BT Chemical compounds
NT DDD
DDE
Bitumens
Bituminous materials
Chlorinated hydrocarbon pesticides
DDT
Endrin
Hydrocarbons
Organophosphorus compounds
Phenols
Urine
RT Waste stabilization ponds

ORGANIC FARMING
BT Farming

ORGANIC MANURES (ANIMAL)
USE MANURES

ORGANIC MATTER
NT Coal
Decomposing organic matter
Humus
Lignite
Litter
Peat
RT Fertilizers
Loams
Organic wastes
Seston
Soil amendments
Soil compounds
Solid wastes
Silty loams
Stagnant water
Waste assimilative capacity

ORGANIC PESTICIDES
BT Chemicals
Pesticides
(Continued)

ORGANIC PESTICIDES (Continued)
NT DDD
DDE
Chlorinated hydrocarbon pesticides
DDT
Endrin
Halogenated pesticides
Organophosphorus pesticides

ORGANIC PIGMENTS
UF Animal pigments
BT Pigments
NT Bile pigments
Carotenoids
Chlorophylls
Flavones
Goseypol
Homoglobins
Melanin
Plant pigments
RT Flavins

ORGANIC PRODUCTIVITY
USE PRODUCTIVITY

ORGANIC SILTS
BT Earth materials
Finegrained soils
Fines
Materials
Organic soils
Silts
Soils
Soil types

ORGANIC SOILS
BT Earth materials
Materials
Soils
Soil types
NT Organic clays
Organic silts
RT Humus
Loams

ORGANIC WASTES
BT Wastes
NT Wood wastes
RT Decomposing organic matter
Organic matter
Farm wastes
(Continued)

ORGANIC WASTES (Continued)
RT Refuse
Sewage
Water pollution
Water pollution sources
Seston

ORGANIZATION
USE ORGANIZATION THEORY

ORGANIZATION CHARTS
UF Charts (organization)
BT Charts
RT Personnel

ORGANIZATION THEORY
UF Management theory
Organization
RT Decision making
Executive ability
Formal organization
Group dynamics
Informal organization
Leadership
Management analysis
Management engineering
Management methods
Morale
Motivation
Organizations
Organizing
Participative management

ORGANIZATIONAL PATTERNS
BT Administrative organization

ORGANIZATIONS
UF Associations
NT Administrative agencies
Cooperatives
Corporations
Engineering societies
Expeditions
Federal agencies
Institutions
Labor unions
Professional societies
Rural organizations
Scientific societies
Societies
Technical societies
Trade associations
(Continued)

ORGANIZATIONS (Continued)
RT Federal government
Formal organizations
International relations
Interstate commissions
Leadership
Local governments
Management
Manufacturers
Manufacturing
Organization theory
Personnel
Schools (education)
Sociology

ORGANIZED INDUSTRIAL DISTRICTS
UF Business cycles
BT Industrial districts

ORGANIZING
RT Consolidation
Coordination
Industrial engineering
Labor unions
Management
Organization theory
Personnel
Planning
Ranking
Sequencing
Unionization

ORGANOLEPTIC PROPERTIES
NT Odors
RT Biological properties
Domestic water
Water properties
Water quality

ORGANOMETALLIC COMPOUNDS
NT Metal alkyl compounds
Tetraethyl lead

ORGANOPHOSPHORUS COMPOUNDS
BT Chemical compounds
Organic compounds
Phosphorus compounds
NT Organosphosphorus pesticides

ORGANPHOSPHORUS PESTICIDES
BT Chemical compounds
Chemicals
Organic pesticides
(Continued)

ORGANPHOSPHORUS PESTICIDES (Continued)
BT Organophosphorus compounds
Pesticides
Phosphorus compounds

ORIENTATION
BT Training
RT Plane surveying
Surveying

ORIFICE FLOW
BT Flow
Fluid flow
Movement
RT Orifices
Unsteady flow

ORIFICE METERS
BT Equipment
Flowmeters
Instrumentation
Measuring instruments
Meters
Test equipment
Velocity meters
RT Flow measurement
Orifices
Pressure gages
Pressue measuring instruments

ORIFICES
NT Submerged orifices
RT Flow
Flow control
Flowmeters
Gates
Intakes
Orifice flow
Orifice meters
Outlets
Water measurement

ORNAMENTAL PLANT CULTURE
UF Floriculture

ORNAMENTAL PLANTS
UF Cultivated plants
Potted plants
BT Economic plants
Plants (botany)
NT Ornamental trees
RT Ferns
(Continued)

ORNAMENTAL PLANTS (Continued)
RT Flowers
Horticulture
Shrubs

ORNAMENTAL TREES
BT Ornamental plants
Plants (botany)
Trees (plants)

ORNAMENTALS
RT Landscaping
Shrubs
Turf

OROGRAPHY
UF Mountains
RT Elevation

OROGRAPHIC PRECIPITATION
BT Ground water sources

ORYZA SATIVA
USE RICE

OSMIUM
BT Metals
Precious metals
Refractory materials
Refractory metals
Transition metals

OSMOSIS
UF Osmotic pressure
BT Diffusion
Separation
NT Reverse osmosis
RT Water balance

OSMOTIC PRESSURE
UF Osmosis
RT Wilting
Turgor
Turgidity

OUTAGE (POWER)
use ELECTRIC POWER FAILURE

OUTAGES
RT Downtime
Electric power failure

**OUTCROPS**
RT Bedrock
Geologic formations
Geology
In situ rock
Rocks
Stratigraphy

**OUTDOOR EDUCATION**
BT Education
RT Camping
Conservation education
Rural education
Science education
Summer programs
Urban education

**OUTDOOR RECREATION**
UF Recreation
NT Camping
Fishing
Forest reserves
Hunting
Parks

**OUTDOOR ROOMS**
USE TERRACES

**OUTFALL SEWERS**
BT Sewers
RT Combined sewers
Manholes
Overflows
Sanitary sewers
Storm sewers

**OUTFALLS**
USE OUTLETS

**OUTFLOWS**
RT Ground water
Ground water flow
Hydrologic budget
Hydrologic equation
Outlets
Pore water pressure
Seepage
Soil water
Soil water movement
Soil-water relationship
Water budget

**OUTLET WORKS**
RT Dams
(Continued)

**OUTLET WORKS (Continued)**
RT Dam construction
Dam design
Discharge lines
Earth dams
Headworks
Headwalls
Hydroelectric power generation
Intakes
Large structures
Sluices (Hydraulic engineering)
Slide gates
Spillways
Stilling basins
Water control
Water intakes
Water pipelines
Water tunnels

**OUTLETS**
UF Outfalls
RT Discharge (water)
Drainage systems
Ducts
Grassed (waterways)
Headwalls
Headworks
Inlets (waterways)
Intakes
Manholes
Nozzles
Orifices
Outflows
Sewers
Siphons
Sluices
Ski-jump spillways
Spillways
Terracing
Trap efficiency

**OUTLOOK**
NT Agricultural outlook

**OUTLYING AREAS**
BT Land
RT Urban fringes

**OUTLYING BUSINESS CENTERS**
BT Business
Land use

OUTLYING BUSINESS DISTRICTS
BT Business districts

OUTLYING INDUSTRIAL SITES
BT Industrial sites
Land use
RT Economic base theory

OUTLYING SHOPPING CENTERS
BT Retailing

OUTPATIENT SERVICES
USE MEDICAL SERVICES

OVER EXCAVATION
BT Excavation

OVERFLOWS
RT Combined sewers
Drains
Outfall sewers
Sewers
Surplus water

OVERLAND FLOW
BT Flow
Fluid flow
Movement
Runoff
Unsteady flow
RT Sheet erosion
Sheet flow
Small watersheds

OVERPASSES
BT Highways

OVERPOPULATION
BT Demography

OVERSTORY
USE CANOPY

OVERTOPPING
RT Banks
Dams
Floods
Spillways
Water levels
Weirs

OVERTURNS
USE TURNOVERS

OVERWINTERING SITES
BT Environments
Habitats
Sites

OVICIDES
BT Chemicals
Pesticides
Poisons

OWNER-BUILT HOUSES
UF Shell houses
Sweat equity
BT Houses
Residential structure
RT Building construction
Aided self-help housing
Housing
Owner-built houses (contractor)

OWNER-BUILT HOUSES (CONTRACTOR)
RT Owner-built houses

OWNERSHIP
RT Private property

OWNERSHIP (LAND)
USE LAND OWNERSHIP

OWNERSHIP OF BEDS
RT Beds
High water mark
Low water mark
Navigable waters
Riparian rights
Seashores
Streambeds

OXIDATION
BT Chemical properties
Chemical reactions

OXIDATION LAGOONS
UF Oxidation ponds
Stabilization ponds
BT Bodies of water
Lagoons (ponds)
Lagoons
Ponds

OXIDATION PONDS
USE OXIDATION LAGOONS

OXIDE MINERAL DEPOSITS
    USE MINERAL DEPOSITS

OXIDES
    BT Chemical compounds
        Inorganic compounds
    NT Carbon dioxide
        Carbon monoxide
        Dioxides
        Nitrogen oxides
        Sulfur dioxide
        Sulfur oxides

OXYGEN
    BT Chemical elements
        Gases
        Nonmetals
    RT Oxygenation
        Ozone
        Soil gases
        Waste assimilative capacity

OXYGEN DEMAND
    RT Limnology

OXYGENATION
    RT Absorption
        Oxygen
        Water purification
        Water treatment

OZONE
    BT Gases
    RT Atmosphere
        Oxygen

PACIFIC SILVER FIR TREES
UF Ambies amabilis
BT Coniferous trees
Conifers
Fir trees
Gymnosperms
Plants (botany)
Trees

PACING
RT Linings

PACKAGED SEWAGE PLANTS
BT Industrial plants
RT Sewage treatment

PACKAGING
UF Packing (packaging)
Repackaging
Wrapping (packaging)

PACKING HOUSES
USE MEAT PACKING INDUSTRY

PACKING (PACKAGING)
USE PACKAGING

PACKING (WELL)
USE WELLFILTERS

PAINTS
RT Sealants
Spraying

PALEBOTANY
BT Paleontology
RT Paleoclimatology
Palynology

PALEOCLIMATOLOGY
RT Continental drift
Dendrochronology
Glacial geology
Glaciology
Paleobotany
Quaternary period
Relict land forms

PALEOGEOGRAPHY
BT Paleontology
NT Cretaceous period
RT Fossils
Geologic time

PALEOLIMNOLOGY
BT Hydrologic aspects
Limnology

PALEONTOLOGY
NT Palebotany
Paleogeography
RT Archaeology
Dating
Formations
Geology

PALEOZOIC ERA
NT Devonian period

PALLADIUM
BT Metals
Precious metals
Transition metals
RT Palladium isotopes

PAMPAS
USE GRASSLANDS

PAN EVAPORATION
BT Evaporation

PAN FISH
BT Animals
Aquatic animals
Aquatic life
Fish
Wildlife
NT Bass
Brook trout
Brown trout
Bullheads
Catfishes
Channel catfish
Cutthroat trout
Lake trout
Madtoms
Rainbow trout
Roanoke bass
Rock bass
Sunfishes
Trout

PANCHAYAT FORESTS
USE COMMUNITY FORESTS

PANORAMA
BT Landscape

PAPER INDUSTRY
UF Paper mills
Papermaking
Pulp and paper industry
RT Paper
Pulping
Pulpwood

PAPER MILLS
USE PAPER INDUSTRY

PAPER PULP
BT Pulp
RT Cellulose acetates
Paper materials
Sulfite liquor

PAPER PULP WASTES
USE PULP WASTES

PAPER PULPS
USE PAPERS

PAPERMAKING
USE PAPER INDUSTRY

PAPERS
UF Paper pulps
NT Waste papers

PARAMETRIC HYDROLOGY
BT Hydrologic aspects

PARASITES
NT Bacteria
Fungi

PARASITIC PLANTS
UF Endophytes
Heterotrophic plants
Root parasites
BT Plants (botany)
RT Parasitism
Saprophytes
Weeds

PARISHES
BT Local government structure
RT Religions
Religious institutions

PARK DEVELOPMENT
BT Land use
RT Open spaces
Recreation
Street furniture

PARK DISTRIBUTION
BT Open spaces
Recreation
RT State parks

PARK GIRDLE
BT Open spaces
RT City planning

PARK MASTER PLANNING
BT Planning
RT Land use planning
Parks

PARK PLANNING
RT Open spaces

PARKING
NT Layered parking
Metropolitan parking structures
Municipal off street parking
Off street parking
Parking deck
Parking patterns
Transit fringe parking usage
RT Traffic

PARKING AREAS
RT Automobiles
City planning
Pavements
Paving
Vehicles

PARKING DECK
BT Parking

PARKING FACILITIES
RT Highway transportation
Land use
Passenger terminals
Urban planning

PARKING LOTS
BT Land use
RT Traffic

PARKING PATTERNS
BT Parking
Spatial analysis

PARKLAND TOWNS
RT New towns

PARKS
BT Outdoor recreation
Urban land classification
NT Common areas
County parks
Municipal parks
National historic parks
National parks
Public greens
Public playgrounds
State parks
RT Forests
Landscaping
Lawns
Open land
Open space
Park master planning
Playgrounds
Public works
Scenic highways
Scenery
Recreation facilities

PARKWAYS
BT Highways
Roads
RT Freeways
Limited access highways

PARSHALL FLUMES
USE VENTURI FLUMES

PART-TIME FARMING
BT Farming
RT Allotment gardens
Small scale farms
Subsistence farms

PARTICLES
RT Air pollution
Dust
Fines
Granular materials

PARTICULATE COMPOSITES
BT Composite materials
NT Germets
Glass particle composites
Metal particle composites
Organic particle composite

PASSAGEWAYS
UF Aisles
Alleys
Walkways
RT Openings

PASSENGER AIRCRAFT
BT Aircraft
Transport aircraft

PASSENGER SHIPS
BT Ships

PASSENGER TERMINALS
BT Terminal facilities
RT Freight terminals
Parking facilities
Passenger transportation

PASSENGER TRANSPORTATION
UF Personnel movement
BT Transportation
RT Passenger terminals

PASSENGER VEHICLES
BT Ground vehicles

PASSIVE DEFENSE
NT Civil defense

PASTURE
BT Biomes
Grasslands
Regions
RT Farms
Forage grasses
Land
Leguiminous plants
Meadows
Ranches
Range grasses

PASTURE MANAGEMENT
UF Meadow management
BT Management
(Continued)

PASTURE MANAGEMENT (Continued)
RT Conservation
Cutting management
Irrigation practices
Resource conservation
Soil management

PATENTS
RT Inventions
Legal aspects
Licenses
Regulations

PATH OF POLLUTANTS
RT Air pollution
Analytical techniques
Drainage
Indicators
Movement
Tracers
Transfer
Water pollution

PATHOGENESIS
USE PATHOLOGY

PATHOLOGY
UF Pathogenesis
NT Plant pathology
RT Diagnosis
Injuries
Physiology
Therapy
Toxicology

PATIOS
USE TERRACES

PATRICIAN CITY
BT Types of cities

PAVEMENT BASES
UF Subbases
RT Pavements

PAVEMENTS
UF Road construction
NT Concrete pavements
Flexible pavements
RT Base courses
Bridge decks
Highway engineering
Highways
(Continued)

PAVEMENTS (Continued)
RT Parking areas
Pavement bases
Paving
Road construction
Road design
Roads
Runways
Soil cement

PAVERS
USE PAVING EQUIPMENT

PAVING
UF Road surfacing
RT Asphalts
Bituminous cements
Construction
Drainage
Highways
Parking areas
Pavements
Roads
Surfacing

PAVING EQUIPMENT
UF Pavers
RT Construction equipment

PAYMENT
RT Taxes
Economic activities

PCB
USE POLYCHLORINATED BIPHENYLS

PEA GRAVEL
BT Earth material

PEAK DISCHARGE
BT Discharge (water)
RT Floods
Surface water runoff

PEAK LAND VALUE INTERSECTION
BT Economic analysis
Land values
RT Taxation

PEAK POWER
BT Electric power

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PEAK RUNOFF
BT Runoff
RT Drainage
Floods
Rainfall
Streamflow
Surface waters
Watersheds (basins)

PEASANTRY
RT Agricultural labor
Farmers
Feudalism

PEAT
UF Peat soils
Peaty soils
BT Earth materials
Materials
Organic matter
Soils
RT Bogs
Fuels
Lignite
Peat deposits

PEAT BOG
BT Bogs
Land forms
RT Fossil fuels
Fossils
Humic acids
Humas
Lacustrine deposits
Marshes
Muck
Organic clays
Organic matter
Organic silts
Organic soils
Peat

PEAT DEPOSITS
BT Fossil fuel deposits
Mineral deposits
RT Peat

PEAT SOILS
USE PEAT

PEATY SOILS
USE PEAT

PEDALFERS
NT Podzols
Prairie soils
Red podzolic soils
Yellow podzolic soils
RT Forests
Humid climates
Soil groups
Subropic
Temperate
Wet climates

PEDESTRIAN
RT Commerce
Pedestrian traffic

PEDESTRIAN MALL
BT Planning

PEDESTRIAN SYSTEMS
NT Pedestrian underpass
Sidewalks
RT Walkways

PEDESTRIAN TRAFFIC
BT Circulation
Traffic
RT Pedestrian
Sidewalks

PEDESTRIAN UNDERPASS
BT Pedestrian systems
RT Planning

PEDOCALS
BT Soil types
NT Brown soils
Chestnut soils
Sierozems
RT Semiarid climates
Soil groups

PEDOLOGY
USE SOIL SCIENCE

PELAGIC ZONES
RT Shallow water

PENAL INSTITUTIONS
RT Municipal services

PENETRATION
RT Infiltration
Inflow
Boring
Leakage
Saturation
Seepage

PENETRATION (FROST)
USE FROST ACTION

PEOPLE
NT Aged people
Chinatowns
Citizens
Commuters
Demography
Emigrants
Ethnic groups
Ethnography
Foreign born population
Immigrant neighborhoods
Immigrants
Legal rights
Negroes
Nonwhite population
Races
Racial composition
Racial groups
Suburbanites
Tourists
Urbanites
RT Nationalities

PENSTOCKS
RT Intakes
Discharge lines

PERCH
BT Aquatic animals
Fishes
Vertebrates
RT Freshwater fishes
Marine fishes

PERCHED WATER
BT Ground water
Phreatic water
Water
RT Impervious soils
Perched water table
Water sources
Water table
Water wells

PERCOLATING WATER
BT Ground water
Water
Water types
RT Artesian water
Confined water
Percolation
Seepage
Subsurface runoff
Underground streams
Well permits
Well regulations

PERCOLATION
RT Capillarity
Concentrating
Diffusion
Extraction
Filtration
Fluid infiltration
Gravitational water
Ground water
Ground water recharge
Hydraulic conductivity
Induced infiltration
Interstices
Leaching
Permeability
Permeating
Porosity
Rinsing
Seepage
Separation
Soil water
Solvent extraction
Straining
Subsurface drainage
Voids

PERCUSSION DRILLING
BT Drilling

PERENNIAL PLANTS
BT Plants (botany)
RT Annual plants
Biennial plants

PERENNIAL STREAMS
BT Bodies of water
Land forms
Running waters
Streams
Watercourses (legal)
(Continued)

PERENNIAL STREAMS (Continued)
  BT Waterways
  RT Ephemeral streams
    non-perennial streams
    River flow
    Rivers
    Seasonal
    Streamflow

PERENNIALS
  BT Plant cover

PERFECT SOCIETY
  NT Utopianism

PERIOD OF GROWTH
  RT Growing period
    Growth rates
    Growth stages
    Life cycles

PERIODIC VARIATIONS
  UF Recurrence intervals
  NT Seasonal variations
    Tides
  RT Trends

PERIODIC VARIATIONS
  UF Cyclic variations
    Periodicity
  NT Waves
    Elastic waves
    Electromagnetic waves
    Waves (water)
    Mechanical waves

PERIODICITY
  USE PERIODIC VARIATIONS

PERIPHERAL TOWNS
  RT Suburbs

PERIPHERY
  BT Urban areas

PERIPHYTON
  UF Aufwuchs
  BT Aquatic life

PERISSODACTYLA
  BT Eutheria
    Mammals
    Ungulata
    (Continued)

PERISSODACTYLA (Continued)
  BT Vertebrates
  NT Donkeys
    Equines
    Horses
    Mules
    Zebras

PERLITE
  BT Acidic rocks
    Igneous rocks
    Minerals
    Rocks
    Volcanic rocks

PERMAFROST
  UF Frozen ground
  BT Frozen soils
    Soil types
    Soils
  RT Frost penetration
    Soil mechanics
    Tundra

PERMANENT WILTING
  USE WILTING POINT

PERMEABILITY
  UF Impermeability
  BT Hydrologic properties
    Physical properties
  RT Darcys law
    Percolation
    Permeability coefficients
    Permeability tests
    Piezometry
    Porosity
    Porous media
    Wettability

PERMEABILITY COEFFICIENTS
  BT Coefficients
  RT Flow
    Permeability
    Permeability tests
    Seepage

PERMEABILITY TESTS
  BT Field tests
    In situ tests
    Materials tests
    Tests
    (Continued)

PERMEABILITY TESTS (Continued)
NT Field permeability tests
Thiem test
RT Infiltration
Infiltration capacity
Infiltration rate
Permeability
Permeability coefficients

PERMEAMETERS
BT Equipment
Instrumentation
Measuring instruments
Test equipment
RT Flowmeters
Piezometers

PERMEATION
USE INFILTRATION

PERMISSIBLE VELOCITY
RT Fluid flow
Protective coatings

PERMITS
NT Irrigation permits
Water permits
Well permits
RT Hydroelectric project licensing
Laws
Licenses
Prior appropriation

PERMSELECTIVE MEMBRANES
BT Membranes

PERSISTENCE
RT Degradation (decomposition)
Durability
Environmental effects
Movement
Population
Resistance
Strength
Succession

PERSONAL PROPERTY
UF Property, personal

PERSONAL SERVICE CITIES
BT Types of cities

PERSONNEL
UF Employees
NT Consultants
Engineering personnel
Professional personnel
Scientific personnel
Technologists
Unskilled workers
RT Employment
Labor
Organization charts
Organizing
Resources

PERSONNEL MANAGEMENT
BT Management
RT Abilities
Administration
Applied psychology
Appraisals
Benefit sharing
Budgets
Careers
Civil service
Classifications
Competition
Construction management
Costs
Industrial management
Education
Employment
Evaluation
Fringe benefits
Group dynamics
Human engineering
Incentives
Industrial engineering
Instruction
Job analysis
Labor costs
Labor unions
Leadership
Management engineering
Management planning
Management training
Manpower
Organization charts
Orientation
(Continued)

PERSONNEL MANAGEMENT (Cont.)
RT Performance rating
Personnel
Professional advancement
Professional development
Public relations
Regulations
Relocation
Responsibilities
Supervision
Training
Working conditions

PERT
BT Network analysis (management)
Operations research

PERSONNEL MOVEMENT
USE PASSENGER TRANSPORTATION

PERTUBATION
RT Brush control
Burning
Chemical controls
Clipping
Controlled burning
Degeneration
Erosion
Floods
Grazing
Gully erosion
Herbicides
Mechanical controls
Plant invaders

PERVIOUS BLANKETS
BT Blankets
NT Rock blankets
RT Earth linings
Pervious linings
Pervious membranes
Pervious soils
Seepage control
Self-spillway dams

PERVIOUS LININGS
BT Linings
RT Loose soils
Pervious blankets
Pervious membranes
Pervious soils

PERVIOUS MEMBRANES
BT Membranes
RT Pervious blankets
Pervious linings
Transition zones
Zoned embankments

PERVIOUS SOILS
BT Earth materials
Materials
Soils
Soil types
NT Gravels
RT Granular materials
Ground water
Infiltration
Loose soils
Pervious blankets
Pervious linings
Silts
Soil water movement

PEST CONTROL
UF Eradication (pests)
BT Control
NT Aerial pest control
Algal control
Aquatic weed control
Brush control
Insect control
Sanitation control (pests)
Weed control
RT Entomology
Environmental sanitation
Fumigation
Irrigation ditches
Preservation
Sanitary engineering
Seed treatment
Sterilants
Spraying
Soil treatment
Soil sterilants

PESTICIDE DRIFT
UF Drift (pesticides)
BT Drift
RT Pesticide kinetics
Pesticide residues
Pesticides
Sprays

PESTICIDE KINETICS
BT Kinetics
RT Pesticide drift
Pesticide residues
Pesticides
Pesticide toxicity

PESTICIDE REMOVAL
RT Pesticide residues
Pesticides

PESTICIDE RESIDUES
UF Deposition (pesticides)
RT Mortality
Pesticide drift
Pesticide kinetics
Pesticide removal
Pesticides
Pesticide toxicity
Water pollution sources

PESTICIDE TOXICITY
BT Toxicity
RT Pesticide kinetics
Pesticide residues
Pesticides

PESTICIDES
UF Biocides
Economic poisons
BT Chemicals
Poisons
NT Algicides
Bactericides
Chemiosterilants
Chlorinated hydrocarbon pesticides
DDD
DDE
DDT
Endrin
Fumigants
Fungicides
Gametocides
Halogenated
Herbicides
Insecticides
Malluscacides
Nematocides
Organic pesticides
Organophosphorus pesticides
Ovicides
Rodenticides
(Continued)

PESTICIDES (Continued)
NT Soil sterilants
Virucides
Wood preservatives (pesticides)
RT Food chains
Pesticide drift
Pesticide kinetics
Pesticide removal
Pesticide residues
Pesticide toxicity
Seed treatment
Soil treatment
Sterilants
Toxicity
Toxins

PESTS (insects)
RT Biological controls
Entomology
Insects
Isoptera
Solenopsis

PETROGRAPHIC INVESTIGATIONS
BT Investigations
Geologic investigations

PETROGRAPHY
RT Sedimentary rocks
Sedimentary petrology

PETROLEUM
BT Bitumens
Hydrocarbons
Natural resources
RT Fuels
Minerals
Non-renewable resources
Oils

PETROLEUM GEOLOGY
BT Economic geology
Geology
RT Engineering geology
Geochemical prospecting
Geochemistry
Geophysical prospecting
Hydrogeology
Marine geology
Mineralogy
Mining geology
Paleontology
(Continued)

PETROLEUM GEOLOGY (Continued)
RT Petroleum industry
Petrology
Reservoir engineering
Sedimentary kpetrology
Sedimentology
Stratigraphy
Well logging

PETROLEUM PIPELINES
RT Pipeline transporation

PETROLEUM PRODUCTS
NT Bunker oils
Diesel fuels
Fuel oils
Gasoline
Kerosene
Residual oils
RT Asphalts
Lubricating oils
Petrochemistry
Petroleum refining
Rocket fuels
Waxes

PETROLEUM REFINERIES
USE REFINERIES

PETROLEUM REFINING
UF Oil refining
RT Cracking process
Crude oil
Distillation
Petroleum products
Refineries

PETROLEUM TRANSPORTATION
BT Transportation
RT Pipeline transportation

PETROLOGY
BT Geology
NT Igneous petrology
Sedimentary petrology
RT Economic geology
Earth pressure
Formations
Geomorphology
Mineralogy
Rocks
Stratigraphy
Structural geology

PHASE DIAGRAMS
RT Liquids
BT Diagrams

PHASE SHIFT CIRCUITS
RT Gyrators

PHEASANTS
BT Birds
Vertebrates
RT Game birds
Poultry

PHENOLOGY
RT Defoliation
Ecology
Environmental effects
Growth stages
Life cycles
Life history
Plant growth
Resting period

PHENOLS
BT Aromatic compounds
Chemical compounds
Organic compounds
RT Chemical wastes
Industrial wastes
Water pollution sources

PHOSPHATE DEPOSITS
BT Mineral deposits
Nonmetalliferous mineral deposits
RT Elastic rocks
Evaporitic rocks
Igneous rocks
Metamorphic rocks
Nonclastic rocks
Sedimentary rocks

PHOSPHATES
BT Chemical compounds
Phosphorus compounds
RT Fertilizers
Salts

PHOSPHORUS
BT Chemical elements
Nonmetals
NT Phosphorus alloys
Phosphorus compounds

PHOSPHORUS ALLOYS
BT Alloys
Metals
RT Phosphorus

PHOSPHORUS COMPOUNDS
BT Chemical compounds
NT Organophosphorus compounds
Organophosphorus pesticides
Phosphates
RT Fertilizers
Phosphorus

PHOTOEMISSIVITY
USE EMISSIVITY

PHOTOGRAMMETRY
RT Aerial photography
Aerial reconnaissance
Aerial surveys
Cameras
Geological surveys
Hydrographic surveys
Mapping
Land surveys
Maps
Mosaics
Photogeology
Photographic analysis
Photographs
Photography
Photointerpretation
Plane surveying
Reconnaissance surveys
Remote sensing
Soil maps
Stereoscopes
Stereoscopic photography
Surveying
Surveys
Terrain analysis
Topographic mapping
Topographic surveys

PHOTOGRAPHY
NT Aerial photography
Infrared photography
RT Lighting
Terrain analysis

PHOTOINTERPRETATION
RT Aerial photography
Aerial reconnaissance
(Continued)

PHOTOINTERPRETATION (Continued)
RT Geologic maps
Infrared photography
Photogeology
Photogrammetry
Photographic analysis
Photographs
Soil maps
Stereoscopes

PHOTOSYNTHESIS
UF Carbon assimilation
Carbon fixation
BT Chemical properties
Chemical reactions

PHREATIC LINES
UF Ground water surface
RT Aquifer tests
Banks
Drain spacing
Draw down
Drawdown curves
Earth dams
Embankments
Flow nets
Groundwater
Groundwater flow
Hydraulic gradient
Levees
Phreatic water
Rapid drawdown
Rockfill dams
Saturation zones
Water table

PHREATIC WATER
UF Ground water
BT Water
NT Perched water
RT Aquifers
Artesian water
Artesian wells
Brackish water
Connate water
Darcys law
Fresh water
Gravitational water
Groundwater
Ground water recharge
Hydraulic conductivity
Hydrogeology
Infiltration
(Continued)

PHREATIC WATER (Continued)
RT Observation wells
Percolation
Phreatic lines
Saturation zones
Soil water
Springs (water)
Water resources
Water table
Water wells

PHREATOPHYTES
BT Plants (botany)
NT Alfalfa
Chaparral
Cottonwoods
Rabbitbush
Sagebrush
RT Evapotranspiration
Ranges
Riparian plants
Root zone
Zone of saturation

PHYSICAL BOUNDARIES
BT Boundaries

PHYSICAL CITY
BT Types of cities

PHYSICAL CONTROL
BT Control
NT Mechanical control
RT Insect control

PHYSICAL ENVIRONMENT
RT Environmental influences

PHYSICAL FACTORS
RT Physical geography
Physical planning

PHYSICAL GEOGRAPHY
UF Geomorphology
RT Physical factors
Planning
River basins
Site planning

PHYSICAL MODELS
USE MODEL STUDIES

PHYSICAL PLANNING
BT Urban planning

PHYSICAL PLANNING (Continued)
RT Glaciation
physical factors
Waterfront development

PHYSICAL PROPERTIES
BT Properties
NT Capillary conductivity
Conductivity
Density
Dimensions
Earth resistivity (electical)
Electrical resistivity
Heat transfer
Hydraulic conductivity
Permeability
Porosity
Resistivity
Roughness (hydraulic)
Size
Soil density
Soil physical properties
Soil strength
Strength
Thermal properties
Turbidity
Viscosity
RT Kinetics
Soil stability
Soil strength
Stability
Temperature
Water properties

PHYSICAL SCIENCES
BT Natural sciences
NT Astronomy
Chemistry
Earth science
Fluid power education
Geology
Physics
RT Atomic structure
Chemical bonding
Conservation education

PHYSICS
BT Physical sciences
Sciences
NT Acoustics
Cloud physics
Dynamics
(Continued)

PHYSICS (Continued)
NT Electricity
Engineering mechanics
Mechanics
Quantum mechanics
Soil physics
Statics

PHYSIOCHEMISTRY
USE BIOCHEMISTRY

PHYSIOGRAPHY
USE GEOMORPHOLOGY

PHYSIOLOGICAL ECOLOGY
BT Ecology
RT Animal physiology
Environmental effects
Tropisms

PHYSIOLOGY
NT Plant metabolism
Plant physiology
Plant production

PHYTOGEOGRAPHY
UF Plant geography
BT Ecology
Geography
Plant ecology
RT Climatic-vegetal relationships
Evolution
Geographical origin
Plant distribution
Plants
Vegetation maps

PHYTOLOGY
USE BOTANY

PHYTOPLANKTON
BT Aquatic life
Aquatic plants
Plankton
Plants (botany)

PHYTOSOCIOLOGY
USE PLANT ECOLOGY

PHYTOTOXICITY
BT Toxicity
RT Air pollution effects
(Continued)

PHYTOTOXICITY (Continued)
RT Bioindicators
Mode of action
Pesticide residues
Pesticides
Pesticide toxicity
Plant growth regulators
Plant growth substances
Plant (botany)
Poisons
Soil contamination effects
Water pollution effects

PIECEMEAL REDEVELOPMENT
BT Urban redevelopment

PIEDMONT LAND FORMS
BT Land forms
RT Alluvial fans
Bajada
Basin-and-range topography
Gully erosion

PIERS
NT Battle piers
Bell piers
Bridge piers
Buttresses
Spillway piers
RT Obstruction to flow

PIERS (DOCKS)
use DOCKS

PIEZOMETERS
BT Instrumentation
RT Peremeameters
Water levels
Water tunnels (testing)

PIEZOMETRY
BT Analytical techniques
Techniques
RT Flow
Ground water
Liquids
Measurements
Permeability
Porosity
Structural behavior
Water table

PIGEONS
BT Birds
Vertebrates

PIGMENTS
NT Organic pigments
Plant pigments
Pigments (animal)
Pigments (insect)
Pigments (plant)
RT Chromomatophores
Color
Melanosis
Ochers
Pigmentation

PIGS (SWINE)
USE SWINE

PILE LATERAL LOADS
BT Loads (forces)

PILE STRUCTURES
UF Piling
NT Bearing piles
Concrete piles
Dolphins (structures)
Friction piles
Sheet piling
Steel piles
Wooden piles
RT Bearing tests
Footings
Foundations
Pile caps
Pile driving
Pile extraction
Pile foundations
Revetments
Shoring
Structural members
Substructures
Supports
Underpinning

PILES (FOUNDATIONS)
NT Wooden piles
RT Erosion control

PILING
USE PILE STRUCTURES

PILOT PLANTS
RT Desalination plants

PINACATE
RT Craters
Volcanoes

PINE TREES
UF Pinus (species unspecified)
BT Coniferous trees
Conifers
Gymnosperms
Plants (botany)
Trees
NT Bristlecone pine trees
Jack pine trees
Loblolly pine trees
Lodgepole pine trees
Pinyon pine trees
Ponderosa pine trees
Red pine trees
Scotch pine trees
White pine trees
Yellow pine trees
RT Coniferous forests
Plant groupings

PINUS ARISTATA
USE BRISTLECONE PINE TREES

PINUS BANKSIANA
USE JACK PINE TREES

PINUS CONTORTA
USE LODGEPOLE PINE TREES

PINUS EDULIS
USE PINYON PINE TREES

PINUS PONDEROSA
USE PONDEROSA PINE TREES

PINUS RESINOSA
USE RED PINE TREES

PINUS (SPECIES UNSPECIFIED)
USE PINE TREES

PINUS STROBUS
USE WHITE PINE TREES

PINUS SYLVESTRIS
USE SCOTCH PINE TREES

**PINYON PINE TREES**
UF Pinus edulis
BT Coniferous trees
Conifers
Gymnosperms
Pine trees
Plants (botany)
Trees

**PIONEER STAGE**
BT Lake stages

**PIPE**
USE PIPES (TUBES)

**PIPE COLUMNS**
USE PIPES (TUBES)

**PIPE DESIGN**
RT Pipe laying

**PIPE FLOW**
BT Fluid flow
RT Critical flow
Fluid friction
Gas flow
Hydraulic gradients
Hydraulic radius
Laminar flow
Liquid flow
Mass flow
Open channel flow
Orifice flow
Pipes (tubes)
Single phase flow
Steady flow
Stream flow
Subcritical flow
Supercritical flow
Turbulent flow
Uniform flow
Unsteady flow
Water flow
Water hammer

**PIPE BEDDING**
RT Pipe laying

**PIPE COVER**
RT Pipe laying

**PIPE LAYING**
RT Anchors
Backfills
Bedding materials
Buried pipes
Compaction
Crossings
Excavation
Jacking
Overexcavation
Pipe bedding
Pipe cover
Pipe cradles
Pipe design
Pipes
Trenches

**PIPE CRADLES**
RT Pipe laying

**PIPELINE TRANSPORTATION**
BT Transportation
RT Common carriers
Gas pipelines
Interstate transportation
Military transportation
Petroleum pipelines
Petroleum transportation
Pipelines
Pipeline terminals
Water pipelines

**PIPELINES**
BT Conduits
Conveyance structures
Hydraulic structures
NT Laterals
Water pipelines
RT Capacity reduction
Discharge lines
Gas storage
Gas supply
Pipeline transportation
Pumping
Sewers
Sewerage
Sublaterals
Water conveyance
Water control
Water distribution (applied)
Water supply

PIPES
BT Closed conduits
Conduits
NT Buried pipes
Drain tiles
RT Discharge lines
Ducts
Irrigation engineering
Irrigation systems
Linings
Pipe layings
Sewers
Sprinkler irrigation
Storm drains
Subsurface irrigation
Water conveyance
Well casings
Well screens

PIPES (TUBES)
UF Conduits
Pipe
Pipe columns
Piping (material)
BT Tubes
NT Irrigation pipes
Sewer pipes
Soil pipes
Water pipes

PIPING (EROSION)
BT Erosion
RT Badlands
Exchangeable sodium
Gully erosion
Leakage
Seepage

PIPING (MATERIAL)
USE PIPES (TUBES)

PIPING (SEEPAGE)
USE UNDERSEEPAGE

PISCES
USE FISHES

PISCICIDES
BT Fish control agents

PISE DE TERRE
USE EARTH WALL CONSTRUCTION

PISTON ENGINES
BT Engines
NT Reciprocating engines
Steam engines

PITS
NT Gravel pits
Sand pits
Test pits
RT Excavation
Mines
Open pit mining
Soil investigations
Subsurface investigations
Trenches

PLACER MINING
BT Mining
Surface mining
RT Dredging
Hydraulic mining
Strip mining

PLAINS
BT Topographic features
NT Playas
Submarine plains
RT Coastal topographic features
Grasslands
Land forms
Plateaus

PLANE SURVEYING
BT Surveying
NT Cadastral surveys
Land surveys
Topographic surveys
RT Baselines
Bench marks
Geodetic surveys
Monuments
Offsets
Orientation
Surveying instruments
Topographic mapping

PLANE SURVEYS
BT Surveys
NT Land surveys
Mine surveys
Route surveys
Topographic surveys
Underground surveys
(Continued)

PLANE SURVEYS (Continued)
    RT Geological surveys
        Geophysical prospecting
        Hydrographic surveys

PLANE TABLE MAPPING
    BT Mapping

PLANETARY CIRCULATION
    USE ATMOSPHERIC CIRCULATION

PLANETARY RADIATION
    USE EXTRATERRESTRIAL RADIATION

PLANETS
    BT Astronomical bodies
    NT Earth (planet)

PLANKTON
    BT Aquatic life
    NT Phytoplankton
        Sea nettles
        Zooplankton
    RT Ecological succession
        Plankton nets
        Standing crops

PLANKTON NETS
    BT Nets
    RT Plankton

PLANNED COMMUNITIES
    UF New communities
    BT Communities
        Types of communities
        Urban planning
    NT New towns
        Company towns
        Model company towns
        Model towns
        Model villages
    RT City planning
        Garden cities
        Model communities
        New towns
        Satellite cities
        Utopias

PLANNED GARDEN SUBURBS
    RT City planning
        Model cities

PLANNED HOUSING TRACTS
    BT Urban planning

PLANNED INDUSTRIAL DISTRICTS
    BT Industrial districts
    RT Industrial planning

PLANNED INDUSTRIAL TRACTS
    BT Industrial planning
        Urban planning
    RT Industries

PLANNED SHOPPING CENTERS
    BT Shopping centers

PLANNED SOCIETIES
    RT Utopias

PLANNED TOWNS
    BT Model towns
        Types of cities

PLANNED UNIT DEVELOPMENT
    BT Urban development

PLANNE[illegible]
    RT City planning

PLANNING
    UF Water resources Planning
        National planning
        Planning-programming-budgeting
        Site selection
    NT City planning
        County planning
        Economic planning
        Highway planning
        Long-term planning
        Management planning
        Master plan
        Neighborhood planning
        Project planning
        Regional planning
        Site planning
        State planning
        Tactical city planning
        Thoroughfare planning
        Town planning
        Town relocation planning
        Traffic engineering
        Urban economic planning
        Urban economic policy
        (Continued)

PLANNING (Continued)
NT Urban extension service
Urban general plan
Urban planning
Urban systems planning
Cluster planning
Comprehensive planning
Country belt principle
City core planning
Ekistics
Flood plain planning
General plan concept
Highway transportation planning
Ideal community
Land use districts
Land use inventory
Land use maps
Land use planning
Municipal planning
Metropolitan planning
Major street plan
Model cities
National planning
Park master planning
Pedestrian mall
Planning area
Plot area
Rural planning
Rational planning
Road planning
Sector planning
Short range forecast
Space planning
Super airport planning
Suburban county planning
Street planning
Social planning
Traffic planning
RT Automation
Decision making
Institutions
Investigations
Laws
Requirements
River basin development
Building sites
Building technology
Citizens planning committee
Code enforcement
Development areas
Financial management
Frontage
Housing developments
(Continued)

PLANNING (Continued)
RT Industrial property
Layout
Long range forecast
Lots
Municipal plan commission
Neighborhood planning
Nonstructural alternatives
Physical geography
Pedestrian underpass
Real estate development
Regional development
Regional planning agencies
Short run forecast
Social accounts
Social function
Social mobility
Street lighting
Street lighting
Street systems
Town planning commission
Topography
Urban land use
Urban policy
Utopias
Water allocation (policY)
Water plans
Water resources development

PLANNING ADMINISTRATION
BT Urban planning

PLANNING ANALYSIS
NT Space requirements
Space utilization
RT Automatic data processing
Computer graphics
Computer
Consultants
Consumers
Data banks
Data processing
Development potential
Economic change
Electronic data processing

PLANNING AND ZONING LAW
BT Law

PLANNING AREA
BT Planning

PLANNING COMMISSIONS
BT Metropolitan planning agencies
RT City planning board
Metropolitan planners
Municipal government
Planning
Regional planning agencies
Town planning commission

PLANNING DISTRICTS
BT Urban planning

PLANNING DOCUMENTATION
RT Bibliography
Cataloging
Documentation
Library science

PLANNING, ECONOMIC
USE ECONOMIC PLANNING

PLANNING LIBRARIES
RT Libraries

PLANNING PROGRAM
BR Urban planning

PLANNING-PROGRAMMING-BUDGETING
USE PLANNING
PROJECT MANAGEMENT

PLANNING REGULATIONS
NT Subdivision ordinance

PLANOSOLS
BT Intrazonal soils

PLANS
RT Charts
Diagrams
Records

PLANS (DRAWINGS)
USE DRAWINGS

PLANT ACCLIMITIZATION
UF Naturalization (plants)
BT Acclimitization
RT Plant adaptation
Plant introduction

PLANT ADAPTATION
BT Adaptation (physiological)
RT Plant acclimatization

PLANT ANATOMY
UF Plant morphology
RT Plant cells
Plant physiology
Plant tissues

PLANT BREEDING
UF Plant genetics
BT Breeding
NT Tree breeding
RT Forestry
Horticulture
Plants (botany)

PLANT CELLS
BT Cells (biology)
RT Plant anatomy
Plant tissues

PLANT CHEMISTRY
RT Plant metabolism
Plant nutrition
Plant physiology

PLANT COMMUNITIES
USE PLANT ECOLOGY

PLANT COVER
UF Vegetation
BT Cover
NT Annuals
Forbs
Grasses
Perennials
Reforestation
Shrubs
Trees
RT Erosion control
Ground cover
Litter
Seeding
Vegetation
Vegetation establishment
Wildlife habitats

PLANT DISEASE CONTROL
NT Aerial plant disease control
Soil sanitation

PLANT DISEASES
    BT  Diseases
    NT  Blight
        Blotches
        Non-parasitic diseases
           (plant)
        Rots
        Rusts (fungi)
        Scabs
        Smuts
        Spots
        Wilts
    RT  Crop losses
        Plant pathology
        Plant protection
        Plant viruses

PLANT DISSEMINATION
    NT  Fungi dissemination
        Seed (dissemination)
    RT  Pollen dissemination

PLANT DISTRIBUTION
    UF  Plant geography
    RT  Vegetation maps

PLANT ECOLOGY
    UF  Ecology
    BT  Ecology
    RT  Life cycles

PLANT ECOLOGY
    UF  Phytosociology
        Plant communities
        Plant sociology
    BT  Ecology
    NT  Autecology
        Climax vegetation
        Plant succession
        Phytogeography
        Synecology

PLANT FIBERS
    UF  Vegetable fibers
    BT  Fibers
        Natural fibers

PLANT GENETICS
    UF  Plant breeding
    BT  Genetics
    RT  Plant growth
        Plant physiology
        Plant reproduction

PLANT GEOGRAPHY
    UF  Geobotany
        Migration (plants)
        Phytogeography
        Plant distribution
        Plant migration
    BT  Geography
    RT  Zoogeography

PLANT GROUPINGS
    RT  Agronomic crops
        Amphibious plants
        Aquatic plants
        Aquatic weeds
        Benthic flora
        Biology
        Cereal crops
        Citrus fruits
        Coniferous trees
        Crops
        Deciduous trees
        Desert plants
        Fiber crops
        Field crops
        Floating plants
        Food and cover crops
        Forage grasses
        Forage legumes
        Forage mixtures
        Forages
        Fruit crops
        Grasses
        Halophytes
        Horticultural crops
        Industrial crops
        Legumes
        Marsh plants
        Oilseed crops
        Orchards
        Ornamentals
        Phytoplankton
        Pine trees
        Plants (botany)
        Poisonous plants
        Range grasses
        Rooted aquatic plants
        Shrubs
        Specialty crops
        Stone fruits
        Submerged plants
        Sugar crops
        Trees
        Tropical fruits

(Continued)

PLANT GROUPINGS (Continued)
RT Turf grasses
Vegetable crops
Vegetation
Vine crops
Weeds
Xerophytes

PLANT GROWTH
UF Growth (plant)
Plant physiology
BT Growth
NT Vegetation regrowth
Weed growth
RT Growing period
Growth rates
Growth stages
Irrigation effects
Phenology
Plant genetics
Plant reproduction
Roots
Soil fertility
Tolerances
Water requirements

PLANT GROWTH HORMONES
USE PLANT HORMONES

PLANT GROWTH REGULATORS
USE PLANT REGULATORS

PLANT HARDINESS
UF Frost resistance
Hardiness
Heat tolerance
Weather resistant plants
Winter hardiness
RT Drought resistant plants

PLANT HORMONES
UF Plant growth hormones
BT Hormones
Plant regulators

PLANT INJURIES
RT Crop losses

PLANT INTRODUCTION
RT Plant acclimatization

PLANT INVADERS
RT Undesirable plants

PLANT LAYOUT
UF Factory layout
Industrial plant design
BT Layout

PLANT LOCATION
UF Factory location
Industrial location
RT Industrial parks
Site surveys

PLANT MIGRATION
USE PLANT GEOGRAPHY

PLANT MORPHOLOGY
UF Plant anatomy
RT Roots

PLANT METABOLISM
BT Physiology
Plant physiology
RT Plant chemistry
Plant nutrition

PLANT NEMATODES
RT Crop losses

PLANT NUTRIENTS
USE PLANT NUTRITION

PLANT NUTRITION
UF Plant nutrients
BT Nutrition
RT Fertilizers
Plant chemistry
Plant metabolism
Plant physiology
Soil fertility

PLANT PATHOLOGY
BT Pathology
RT Forestry
Horticulture
Plant diseases

PLANT PHYSIOLOGY
UF Plant growth
BT Physiology
NT Allelopathy
Plant metabolism
Plant reproduction
RT Plant anatomy
(Continued)

PLANT PHYSIOLOGY (Continued)
RT Plant chemistry
Plant genetics
Roots
Tolerances(plants)
Turgidity
Turgor

PLANT PIGMENTS
BT Organic pigments
Pigments

PLANT POPULATIONS
BT Populations
RT Aquatic populations
Succession
Weed growth

PLANT PROTECTION
NT Plant quarantine
RT Cold
Forest protection
Frost control
Fruit culture
Hail control
Plant diseases

PLANT QUARANTINE
BT Plant protection

PLANT REGULATORS
UF Plant growth regulators
NT Plant hormones

PLANT REPRODUCTION
BT Physiology
Plant physiology
Reproduction
RT Forest regeneration(natural)
Plant genetics
Plant growth

PLANT RESIDUES (ORGANIC)
NT Straw
RT Farm crops
Mulches
Humus
Residues

PLANT SUCCESSION
UF Succession (plants)
BT Plant ecology
NT Relict vegetation

PLANT SOCIOLOGY
USE PLANT ECOLOGY

PLANT TISSUES
RT Flowering
Plant anatomy
Plant cells

PLANT TOLERANCES
USE TOLERANCE (PLANT)

PLANT VIRUSES
BT Viruses
RT Plant diseases

PLANT YIELDS
USE CROP YIELDS

PLANTING
NT Forest planting
Seed planting
Tree planting
RT Agricultural machinery

PLANTS (BOTANY)
UF Flora
Plants (organisms)
BT Environments
NT Algae
Aquatic plants
Aquatic weeds
Citrus trees
Farm crops
Forage crops
Forage grasses
Fruit crops
Fungi
Grasses
Mosses
Ornamental plants
Ornamental trees
Parasitic plants
Phreatophytes
Range weeds
Shrubs
Trees (plants)
Turf grasses
Vegetable crops
Weeds
NT Annuals
Economic plants
Aerobic bacteria
(Continued)

**PLANTS** (BOTANY)(Continued)
NT Agronomic crops
Bacteria
Aquatic bacteria
Aquatic fungi
Brush
Cacti
Chaparral
Desert plants
Ditch grass
Field crops
Floating plants
Floating weeds
Food and cover crops
Forage
Halophytes
Horticultural crops
Marsh plants
Orchardgrass
Orchards
Phytoplankton
Plants (botany)
Sagebrush
NT Saprophytes
Sewage bacteria
Soil algae
Soil bacteria
Soil fungi
Standing crops
Trees
Wheat
Wheatgrasses
Submerged plants
Monocots
Marine plants
Dicots
Cover crops
Cereal crops
Food and cover crops
Ephemerals
Mid grasses
Tall grasses
Undesirable plants
Scotch pine trees
Sycamore trees
Sorghum
Rabbitbush
Yellow pine trees
Wildrice
White cedar trees
White fir trees
Willow trees
Fast producing algae
(Continued)

**PLANTS** (BOTANY) (Continued)
NT Sewage bacteria
Maple trees
Loblolly pine trees
Lodgepole pine trees
Kentucky bluegrass
Red fir trees
Red pine trees
Rice
Perennial plants
Hemlock trees
Grand fir trees
Pacific silver fir trees
Pine trees
Pinyon pine trees
Ponderosa pine trees
Oats
Odor-producing algae
Oak trees
Noble fir trees
Juniper trees
Industrial crops
Hickory trees
Fir trees
Douglas fir trees
Deciduous trees
Drought resistant plants
Crop weeds
Citrus fruits
Coniferous tres
Corn (field)
Cottonwoods
Conifers
Bromegrass
Bristlecone pine trees
Balsam fir trees
Birch trees
Black locust trees
Barley
Aquatic bacteria
Aquatic plants
Alfalfa
Aquatic algae
Ash trees
Stone fruits
Rooted aquatic plants
Legumes
Gymnosperms
Forage legumes
Bluegrasses
RT Environmental effects
Environmental engineering
Evapotranspiration
(Continued)

PLANTS (BOTANY) Continued)
RT Flora
Flowering
Forestry
Greenhouses
Ground cover
Horticulture
Leaves
Life cycles
Life expectancy
Phytotoxicity
Seeds
Turf
Vegetation
Vegetation effects
Vegetation establishment
Vegetation regrowth
Water hyacinth
Water pollution sources
Wilting

PLANTS (INDUSTRIES)
USE INDUSTRIAL PLANTS

PLANTS (ORGANISMS)
USE PLANTS (BOTANY)

PLANT-SOIL-WATER RELATIONSHIPS
USE SOIL-WATER-PLANT RELATIONSHIPS

PLANT-WATER-SOIL RELATIONSHIPS
USE SOIL-WATER-PLANT RELATIONSHIPS

PLASTIC CLAYS
USE CLAYS

PLASTICITY
BT Mechanical properties
NT Soil plasticity
RT Soil physical properties
Soil properties
Stability

PLASTICS
RT Linings

PLATANUS OCCIDENTALIS
USE SYCAMORE TREES

PLATEAUS
BT Topographic features
RT Erosion
Land forms
Mesas (land forms)
Plains
Stratigraphy
Submarine topographic features

PLATE GIRDERS
BT Girders

PLATES
NT Steel plates
RT Shell structures
Structural members

PLATING
RT Finishes
Laminates
Protective coatings

PLATINUM
BT Chemical elements
Metals
Precious metals
Transition metals
RT Platinum alloys
Platinum compounds
Platinum isotopes

PLATINUM ALLOYS
BT Alloys
Metals
RT Platinum

PLATINUM METALS
USE PRECIOUS METALS

PLAY AREAS
BT Recreation

PLAYA LAKES
BT Bodies of water
Lakes
Standing waters
Surface waters
RT Playas

PLAYAS
BT Land forms
Plains
RT Deserts
Evaporation
(Continued)

**PLAYAS** (Continued)
RT Lakes
Playa lakes

PLAYGROUNDS
BT Recreation facilities
NT Public playgrounds
RT Parks
Facilities
Recreation

PLEBEIAN CITY
BT Types of cities

PLEROTIC WATER
USE GROUND WATER

PLOWING
RT Cultivation
Farm equipment
Farms
Land preparation
Mixers

PLOT PLAN
BT Planning

PLOTS
USE SITES

PLUMBING
RT Building construction
Drainage
Gas fitting
Heating, hot water
Pipes
Plumbing codes
Sewerage and sewage disposal
Sewers
Water supply

PLUMBING CODES
UF Codes
RT Building codes
Plumbing

PLUNGE BASINS
BT Engineering structures
Hydraulic structures
RT Erosion control
Riprap
Ski-jump spillways
Spillways

PLUTONIC ROCKS
RT Igneous rocks
Volcanic rocks

PLUTONIUM
BT Chemical elements
Metals
NT Plutonium radioisotopes

PLUTONIUM RADIOISOTOPES
BT Chemical elements
Isotopes
Metals
Plutonium
Radioisotopes

PLUVIAL
USE RAIN

POA PRATENSIS
USE KENTUCKY BLUEGRASS

PODZOLS
BT Acidic soils
Pedalfers
Soil groups
Soils
Soil types
NT Red podzolic soils
Yellow podzolic soils
RT Humid climates
Rain forests
Temperate
Wet climates

POINT FOUR PROGRAM
USE TECHNICAL ASSISTANCE PROGRAMS

POISONING
USE POISONS

POISONOUS GASES
USE POISONOUS GASES
POISONS

POISONS
UF Industrial poisons
Poisoning
Poisonous gases
Toxicants
BT Chemicals
Hazardous materials
(Continued)

POISONS (Continued)
NT Bactericides
Fundicides
Herbicides
Insecticides
Ovicides
Piscicides
Rodenticides
Soil sterilants
Toxins
Wood preservatives (pesticides)
RT Contaminants
Detoxification
Herbicides
Insecticides
Military chemical agents
Mortality
Pesticides
Pollution
Sterilants
Toxic waste disposal
Toxicity
Toxicology
Venoms

POLICIES
NT Fiscal policies
Land policies
Public land policy
Water allocation (policy)
Water policy

POLICIES
UF Programs
Public policies
NT Agricultural policies
Economic policy
Land policies
Regional planning
Resource planning
RT Decision making
Irrigation programs
Laws
Political aspects
Political constraints
Water plans

POLE DERRICKS
USE DERRICKS

POLITICAL ADMINISTRATION
BT Governments
NT Metropolitan governments
RT Housing acts

POLITICAL AREAS
NT Boroughs
Corporate cities
Counties
States
Towns
Townships
Villages
Wards
RT Congressional districts

POLITICAL ASPECTS
RT Administration
Allocation
Ecology
Economics
Governments
Institutions
Jurisdiction
Local governments
Policies
Regions
Relocation
Resource development
Water utilization
Weather modification

POLITICAL CHANGE
NT Reapportionments

POLITICAL CONSTRAINTS
BT Constraints
RT Legal aspects
Policies

POLITICAL GEOGRAPHY
USE POLITICAL SCIENCE

POLITICAL SCIENCE
UF Political geography
Politics
BT Social sciences
NT Government
International relations
Public administration
RT History
Sociology

POLITICAL SUBDIVISIONS
NT Metropolitan
Precincts
Townships

POLITICAL SYSTEMS
UF Politics
NT Foreign government
Government
International government
Local government
Military government
National government
State government
RT Communism
Democracy
Elections
Interest groups
Law (jurisprudence)
Political parties
Political science
Public opinion
Socialism
State government
Totalitarianism

POLITICS
UF Political systems
Political Science
NT Assemblies
State rights
Urban government patronage
Urban governments
Urban political backing
Urban political leverage
Urban political struggles
Urban rural conflicts
Urban vote
Urban voter activity
Urban voters
Urban reform

POLLEN
UF Pollenization
RT Air pollution
Biology
Reproduction
Sediments

POLLEN DISSEMINATION
RT Plant dissemination

POLLENIZATION
USE POLLEN

POLLUTANT IDENTIFICATION
RT Air pollution
Air pollution control
Analytical techniques
(Continued)

POLLUTANT IDENTIFICATION (Continued)
RT Assay
Indicators
Investigations
Pollutants
Polychlorinated biophenyls
Water pollution
Water pollution sources

POLLUTANTS
UF Contaminants
RT Air pollution
Contamination
Pollutant identification
Polychlorinated biophenyls
Toxins
Wastes
Water pollution sources

POLLUTION
UF Natural resources
NT Air pollution
Environmental pollution
Industrial wastes
Smog
Stream pollution
Thermal pollution
Water pollution
RT Abatement
Contaminants
Contamination
Decontamination
Dissipation
Dumps
Elimination
Environmental surveys
Indicator species
Industrial wastes
Odor control
Poisons
Public health
Purity
Quality
Radioactive wastes
Regulations
Sanitary engineering
Sewage treatment
Toxicology
Waste disposal
Wastes
Waste treatment
Water reclamation
Water resources
Water supply
Water treatment
Urban setting

POLLUTION ABATEMENT
UF Water pollution abatement
BT Abatement
RT Air pollution
Flow augmentation
Water pollution

POLLUTION (AIR)
USE AIR POLLUTION

POLLUTION CONTROL
BT Control
NT Air pollution control
Water pollution control
RT Air pollution
Flow augmentation
Sanitary engineering
Soil contamination
Toxic waste disposal
Water pollution

POLLUTION (SOILS)
USE SOIL CONTAMINATION

POLLUTION (THERMAL)
USE THERMAL POLLUTION

POLLUTION (WATER)
USE WATER POLLUTION

POLONIUM
BT Metalloids
RT Polonium isotopes

POLYCHLORINATED BIPHENYLS
UF PCB
RT Pollutant identification
Pollutants
Water pollution sources

POLYNUCLEATED CITY
BT Types of cities

POMOLOGY
USE FRUIT CULTURE

POMOXIS SPECIES
USE SUNFISHES

POND SUCCESSION
USE LAKE STAGES

PONDAGE
USE RESERVOIRS

PONDEROSA PINE TREES
UF Pinus ponderosa
BT Coniferous trees
Conifers
Gymnosperms
Pine trees
Plants (botany)
Trees
RT Coniferous forests

PONDING
RT Dams
Drainage
Flooding
Ponds
Porosity
Seepage
Subsidence
Water storage

PONDING TESTS
BT Field investigations
Field tests
In situ tests
Tests
RT Field permeability tests
Footings
Leakage
Ponds
Seepage
Settlement (structural)

PONDS
BT Bodies of water
Lakes
Land forms
Standing waters
NT Farm ponds
Oxidation lagoons
Stock ponds
Waste stabilization ponds
RT Aquatic habitats
Farms
Fresh water
Lake stages
Limnology
Ponding
Ponding tests
Reservoirs
Water

(Continued)

PONDS (Continued)
RT Water holes
Water resources
Water surface

PONDWEEDS
UF Potamogeton species
BT Aquatic life
Aquatic plants
Aquatic weeds
Floating plants
Plants (botany)
Submerged plants
Submerged weeds
Weeds

POOLS (SWIMMING)
USE SWIMMING POOLS

POOR
RT Poverty
Slums
Public assistance
Social welfare

POPULATION
NT Animal populations
Aquatic populations
Density of population
Depopulation
Fish populations
Plant populations
Rural population
Urban annual growth rate
Urban population
Man land ratio
RT Community development
Distribution patterns
Ecology
Food chains
Growth rates
Mortality
Persistence
Population characteristics
Population density
Population distribution
Population forecasting
Radioactivity effects
Social aspects
Social behavior
Standing crops
Urban compaction
Urban Migration
(Continued)

POPULATION (Continued)
RT Urban movement
Urban population increase
Urban population movements
Urban residents
Urbanization rates

POPULATION CHARACTERISTICS
RT Nonfarm population
Population
Youth

POPULATION CHANGES
BT Demography
RT City to suburb migration
Urban immigrants

POPULATION COUNT
NT Census

POPULATION DENSITIES
BT Demography
NT Choropleth map of city population

POPULATION DENSITY
UF Density
Residential density
RT Decentralization
Population

POPULATION DISTRIBUTION
BT Demography
Spatial analysis
Urban patterns
RT Population

POPULATION DRAIN
BT Demography

POPULATION EQUILIBRIUM
BT Demography

POPULATION ESTIMATES
UF Population forecasting
BT Demography

POPULATION EXPLOSION
BT Demography

POPULATION FLOW
BT Migrations

POPULATION FORECASTING
UF Forecasting population
Population estimates
RT Population

POPULATION FORECASTS
BT Demography
RT Population groups

POPULATION GROUPS
NT Ethnic composition
Ethnic studies
Exurbanites
Immigrants
Labor force
Minority groups
School population
Slum dwellers
White collar class
RT Population forecasts

POPULATION GROWTH
BT Demography
Social influences
NT Urban population increase
ET Mortality
Vital statistics

POPULATION MIGRATION
BT Migrations
NT Rural population migration
RT Demography

POPULATION MOBILITY
BT Demography
RT Migrations

POPULATION MOVEMENTS
UF Population shifts
BT Accessibility
Demography
NT Emigrations
Migrations
Urban population movements
RT Transportation

POPULATION PATTERN
BT Spatial analysis

POPULATION PRESSURES
BT Demography

POPULUS SPECIES
USE COTTONWOODS

POVERTY PROGRAMS
BT Federal programs
RT Anti poverty councils
Child care
Correctional rehabilitation
Job corps
Vista
Work experience

POPULATION PROJECTION
BT Demography
RT Houshold formation

POPULATION SHIFTS
BT Demography
Migrations
RT Family mobility
Relocation

POPULATION SHIFTS
UF Migration
Population movements
Residential mobility
RT Minority groups
Displaced persons
Population
Relocation

POPULATION (STATISTICS)
UF Statistical universe
NT Groups (statistics)
Statistical samples
RT Central tendency
Populations
Sampling
Statistical analysis
Statistical dispersion
Statistical distributions

PORE PRESSURE
RT Earth dams
Soil physical properties
Soil strength

POROSITY
BT Physical properties
RT Aquifers
Flow
Formations
Fractures (geology)
Infiltration
Interstices
Leakage
(Continued)

POROSITY (Continued)
RT Percolation
Permeability
Piezometry
Ponding
Pore pressure
Pores
Porous media
Rock properties
Saturated flow
Seepage
Soil compaction
Soil density
Soil physical properties
Soil properties
Soil structure
Soil texture
Soil water movement
Specific retention
Specific yield
Storage capacity
Storage coefficient
Subsurface drainage
Void ratio
Voids
Water properties
Water storage
Wettability

POROUS MATERIALS
RT Gravel pits
Loose soils
Soil mechanics

POROUS MEDIA
NT Ground water movement
Ground water flow
RT Aggregates
Aquifers
Flow
Hydraulic conductivity
Permeability
Porosity
Transmissivity

PORTABLE HOUSES
UF Demountable houses
BT Temporary housing
Mobile homes

PORTLAND CEMENTS
RT Soil cements

POST-IMPOUNDMENT
BT Reservoir stages
NT Late impoundment
RT Ecology
Habitats
Impoundments
Reservoirs
Streams
Watersheds (basins)
Wildlife management

POSTAL SERVICE
UF Mail service

POTABLE WATER
UF Drinking water
BT Water
Water types
RT Demineralization
Desalination
Fresh water
Water purification
Water quality
Water utilization
Desalting
Salt water
Survival rations
Water supply
Water treatment chemicals
Water treatment devices

POTAMOGETON SPECIES
USE PONDWEEDS

POTAMOLOGY
USE RIVERS

POTASSIUM
BT Alkali metals
Chemical elements
Metals
NT Potassium radioisotopes
RT Potassium alloys
Potassium carbonate
Potassium compounds

POTASSIUM ALLOYS
BT Alloys
Metals
RT Potassium

POTASSIUM CYANIDES
RT Cyanides

POTASSIUM RADIOISOTOPES
BT Alkali metals
Chemical elements
Isotopes
Metals
Potassium
Radioisotopes
RT Radioactive dating

POTENTIAL EVAPORATION
BT Evaporation

POTENTIAL EVAPOTRANSPIRATION
BT Evapotranspiration

POTHOLES
RT Sinks
Dugouts

POTTED PLANTS
USE ORNAMENTAL PLANTS

POULTRY
UF Domestic fowl
BT Birds
Domestic animals
Livestock
Vertebrates
NT Chickens
RT Bird diseases
Eggs
Pheasants

POULTRY HOUSES
BT Farm buildings

POULTRY INDUSTRY
BT Agricultural industries

POULTRY MANURE
BT Manures

POVERTY
RT Economic conditions
Social conditions
Low income housing
Social welfare
Poor
Public assistance

POVERTY AREAS
UF Depressed areas (geographic)
RT Low rent neighborhoods
Urban areas

POVERTY POCKETS
USE DEPRESSED AREAS (GEOGRAPHIC)

POWDER (ORDNANCE)
USE EXPLOSIVES

POWER
NT Electric power
Hydroelectric power
Standby power
Thermal power
RT Electric power production
Electric utilities

POWER CABLES
BT Electric cables

POWER FAILURE
USE ELECTRIC POWER FAILURE

POWER OPERATION AND MAINTENANCE
BT Operation and maintenance

POWERPLANTS
BT Industrial plants
NT Electric powerplants
Geothermal powerplants
Hydroelectric powerplants
Nuclear powerplants
Thermal powerplants
Tidal powerplants
Underground powerplants
RT Large structures

POWER RESOURCES
UF Electric power
Water power
RT Fuels
Natural resources

POWER SHOVELS
USE EARTH HANDLING EQUIPMENT

POWER SYSTEMS OPERATION
BT Operations

POWER TRANSMISSION (MECHANICAL)
RT Electric motors

PRAIRIES
USE GRASSLANDS

PRAIRIE SOILS
BT Alkaline soils
Pedalfers
Soil groups
Soil types
Soils
RT Chernozems
Grasslands
Humid climates
Subhumid climates
Temperate

PRECAMBRIAN ERA
BT Geologic time

PRECINCTS
BT Political subdivisions

PRECISE SURVEYS
USE FIRST ORDER SURVEYS

PRECIOUS METALS
UF Noble metals
Platinum metals
BT Metals
Transition metals
NT Gold
Iridium
Osmium
Palladium
Platinum
Rhodium
Ruthenium
Silver

PRECIPITABLE WATER
BT Meteoric water
Moisture
Vapors
Water types
Water vapor

PRECIPITATION (ATMOSPHERIC)
UF Atmospheric precipitation
BT Groundwater sources
Moisture
NT Excessive precipitation
Hail
Induced precipitation
Precipitation excess
No precipitation seasonality
Rain
Sleet
(Continued)

PRECIPITATION (ATMOSPHERIC) (Continued)
NT Snow
Summer precipitation
Winter precipitation
RT Dry seasons
Ephemeral streams
Erosion
Fallout
Flood estimate
Flood forecasting
Fog
Groundwater geology
Ground water hydrology
Humidity
Interception
Large watersheds
Monsoons
Natural recharge
Precipitation gages
Precipitation intensity
Precipitation rate
Rainfall intensity
Rainfall stations
River basins
River forecasting
Supplemental irrigation
Water budget
Water balance
Water data
Water sources
Water supplies
Weather patterns
Wet seasons
Weather data

PRECIPITATION (CHEMISTRY)
RT Cyaniding (beneficiation)

PRECIPITATION DEFICIT
RT Aridity
Droughts
Dry seasons
Moisture stress

PRECIPITATION EXCESS
UF Rainfall excess
BT Precipitation (atmospheric)
RT Effective precipitation
Excess water (soils)
Floods
Soil erosion
Surface runoff
Surface water runoff
Time lag
Water loss

PRECIPITATION GAGES
BT Gages
Hydrologic instruments
Instrumentation
Measuring instruments
NT Rain gages
Snow gages
RT Precipitation (atmospheric)
Precipitation intensity
Snow management
Snowfall

PRECIPITATION INTENSITY
NT Rainfall intensity
RT Precipitation (atmospheric)
Precipitation gages
Rainfall
Runoff coefficient
Runoff forecasting

PRECIPITATION (METEOROLOGY)
NT Rain
RT Cyclones
Ground water
Hydrologic cycle
Rainfall intensity
Rain gages

PRECIPITATION RATE
RT Depth
Precipitation (atmospheric)
Rainfall

PRECONSOLIDATED SOILS
BT Earth materials
Materials
Soils

PREDATION
RT Ecology
Mortality

PREDICTING
USE FORECASTING

PREDICTION
USE FORECASTING

PREFABRICATED BUILDINGS
USE PREFABRICATION

PREFABRICATED CONSTRUCTION
UF Buildings, prefabricated
Component construction
Components
Houses, prefabricated
Industrialized building
Manufactured houses
BT Building construction
RT Building construction
Building methods
Operation breakthrough
Demountable houses
Panels
Coordinated components
Modular coordination

PREFABRICATED HOUSES
BT Houses

PREFABRICATION
UF Prefabricated buildings
BT Construction
RT Buildings

PREFERENCES (WATER RIGHTS)
RT Non-consumptive use
BT Prior appropriations

PREHEATING
USE HEATING

PRESCRIBED BURNING
BT Forest burning

PRESERVATION
BT Historic sites
RT Animal control
Animals
Birds
Conservation
Control
Corrosion control
Curing
Degradation
Durability
Pest control
Resource conservation
Storage
Wildlife
Wildlife conservation

PRELIMINARY INVESTIGATIONS
BT Investigations

PRESERVATION OF FORESTS
USE FOREST CONSERVATION

PRESERVING
USE FOOD PROCESSING

PRESPLIT BLASTING
BT Blasting

PRESSING (COMPACTING)
USE COMPACTING

PRESSURE
NT Atmospheric pressure
Capillary pressure
Earth pressure
Grouting pressure
Hydraulic pressure
Soil pressure
Ice pressure
Sound pressure
Radiation pressure
Tunnel pressures
Water pressure
Wind pressure
RT Ice loads

PRESSURE GAGES
RT Orifice meters

PRESSURE FILTRATION
RT Sand filtration

PRESSURE MEASURING INSTRUMENTS
RT Orifice meters

PRESSURE PATTERN FLIGHT
UF Atmospheric pressure

PRESSURE WAVES
USE SHOCK WAVES

PRESTRESSED CONCRETE
USE CONCRETE, PRESTRESSED

PRESTRESSED STEEL
BT Iron alloys
Metals
Steel
RT Carbon steel
High strength steels
Posttensioning
Prestressed concrete
(Continued)

PRESTRESSED STEEL (Continued)
RT Prestressing
Prestressing systems
Reinforcing steels
Structural steel

PREVOCATIONAL EDUCATION
UF Prevocational training
BT Vocational education

PREVOCATIONAL TRAINING
USE PREVOCATIONAL EDUCATION

PRICE CONTROL
USE PRICE REGULATION

PRICE REGULATION
UF Price control
Regulation of prices
RT Economics
Finance
Inflation
Prices

PRICES
UF Agricultural prices
NT Adjusted prices
Average prices
Competitive prices
Equilibrium prices
Farm prices
Land prices
Pariety prices
RT Agricultural economics
Commerce
Cost indexes
Costs
Demand
Discount rate
Economic impact
Economics
Elasticity of demand
Elasticity of supply
Engineering costs
Expenditures
Income
Interest (finance)
Interest rate
Market value
Payment
Pricing
Procurement
(Continued)

PRICES (Continued)
RT Rates
Sales
Supply
Unit costs
Value
Water rates

PRICING
RT Water rates
Land appraisal

PRIMATE CITIES
RT Use of urban space

PRIMATES
BT Eutheria
Mammals
Vertebrates
NT Apes
Children
Chimpanzees
Humans
Infants
Monkeys

PRIMARY BATTERIES
BT Electric batteries
NT Reserve batteries
Water activated batteries

PRIMARY PRODUCTIVITY
BT Ecology

PRIMITIVE AGRICULTURE
USE AGRICULTURAL HISTORY

PRINCIPLE OF FOCALITY
BT Agglomeration

PRIOR APPROPRIATION
BT Water rights
NT Adjudication procedure
Appropriation (water rights)
Preferences (water rights)
RT Civil law
Hydraulic mining water
Irrigation
Irrigation water
Laws
Legal aspects
Licenses
(Continued)

PRIOR APPROPRIATION (Continued)
RT Permits
Reasonable use
Riparian rights
Water law
Water utilization
Surface water
Surplus water
Unappropriated water

PRIVATE ENTERPRISE
RT Private redevelopment

PRIVATE PROPERTY
BT Property
RT Ownership

PRIVATE REDEVELOPMENT
BT Redevelopment
RT Private enterprise

PROBABLE MAXIMUM FLOOD
USE MAXIMUM PROBABLE FLOOD

PROCEDURE (LAW)
USE ADMINISTRATIVE PROCEDURE (LAW)

PROCEDURES
RT Scientific method

PROCESSING
NT Data processing
Feed processing
Food processing
RT Manufacturing

PROCUREMENT
BT Acquisition
NT Purchasing

PRODUCE (FARM)
USE AGRICULTURAL PRODUCTS

PRODUCTION
NT Industrial production
RT Manufacturing

PRODUCTION ECONOMICS
BT Economics
NT Agricultural production
Economics

PRODUCTION (INDUSTRIAL)
USE INDUSTRIAL PRODUCTION

PRODUCTION MANAGEMENT
RT Industrial management

PRODUCTIVITY
UF Natural increase
Organic productivity
NT Aquatic productivity
RT Fertilization
Ecology
Food chains
Food pyramids
Growing period
Growth rates
Industrial engineering
Leadership
Radioactivity effects
Reliability
Standing crops

PROFESSIONAL PERSONNEL
BT Personnel
NT Engineering personnel
Scientific personnel
RT Technical societies

PROFESSIONAL SOCIETIES
BT Organizations
NT Scientific societies
Technical societies
RT Publications

PROFILES
BT Landscape
NT Backwater profiles
Flow profiles
Soil profiles
Water surface profiles
Wind profiles
RT Distribution patterns
Ground water
Slope
Stratification
Soil horizons

PROGRAM BUDGETING
BT Budgeting

PROGRAM MANAGEMENT
USE PROJECT MANAGEMENT

PROGRAM PLANNING
USE PROJECT PLANNING

PROGRAMMING LANGUAGES
UF Computer languages
BT Languages

PROGRAMS
NT Drainage programs
RT Decision making
UF Policies

PROJECT FEASIBILITY
RT Technical feasibility
BT Feasibility

PROJECT MANAGEMENT
UF Planning-programming budgeting
Program management
BT Management
NT Project control
Project planning
RT Industrial management
Management systems

PROJECT PLANNING
UF Housing projects
Program planning
BT Management
Planning
Project management
RT Critical path method
Electric power surveys
Feasibility
Forecasting
Industrial management
Land settlement
Long-term planning
Management methods
Management systems
PERT
Production management
Project control
Research management

PROJECTS
NT Multiple purpose projects
RT Federal project policy
Grants
Technology

PROJECTION
    USE ARCHITECTURAL DRAWING

PROJECTIONS
    USE FORECASTING

PROPAGATION
    RT Spraying

PROPERTIES
    NT Biological properties
    Chemical properties
    Electrical properties
    Hydraulic properties
    Mechanical properties
    Physical properties
    Soil chemical properties
    Soil physical properties
    Soil strength
    Tensile properties
    Thermal properties
    Water properties

PROPERTY
    BT Location factors
    NT Chatels
    Personal property
    Private property
    Real property inventories
    RT Abstract of title
    Eminent domain
    Lot size
    Owner occupier
    Property improvement
    Real estate board
    Real estate research
    Realtors

PROPERTY ASSESSMENT
    RT Property values
    Taxation

PROPERTY BOUNDARIES
    USE BOUNDARIES (PROPERTY)

PROPERTY CONDEMNATION
    RT Eminent domain
    Right of way acquisition

PROPERTY IMPROVEMENT
    RT Property
    Rehabilitation
    Urban renewal

PROPERTY IMPROVEMENT LOANS
    BT Finance
    Loans
    RT Banks and banking
    Farm buildings-maintenance and modernization
    Farm housing-maintenance and modernization
    Finance
    Houses-maintenance and modernization
    Mortgage finance
    Open-end mortgage
    Savings and loan associations

PROPERTY MAINTENANCE CODE
    BT Codes

PROPERTY MANAGEMENT
    RT Housing management

PROPERTY, PERSONAL
    USE PERSONAL PROPERTY

PROPERTY RIGHTS
    NT Avulsions
    Easements

PROPERTY SURVEYS
    USE LAND SURVEYS

PROPERTY TAXATION
    NT Tax assessment
    Tax exempt property

PROPERTY TAXES
    BT Fiscal policy
    Real estate
    Revenues
    Taxation
    Cadastral surveys

PROPERTY VALUES
    BT Values
    NT Land values
    RT Property assessment
    Real estate
    Real property assessment
    Tax assessment
    Tax base

PROPERTY YIELDS
    RT Measurement

PROSPECTING
USE EXPLORATION

PROTECTION (ELECTRICAL)
RT Electric fuses
Electric power distribution
Electric faults
Electric relays
Electric grounding

PROTECTIVE COATINGS
NT Fire resistant coating
RT Enamels
Finishes
Linings
Paints
Permissible velocity
Plating
Rain repellents
Sealants
Varnishes
Waterproofing
Weatherproofing

PROTECTIVE CONSTRUCTION
UF Air raid shelters
Atomic bombproofing
Bomb-proof construction
Bomb shelters
Radiation proof construction
Shelter
Building construction
Civil defnese
Fire prevention
National defense
Atomic bomb
Metals, effect of radiation on
Fireproof construction
RT Building construction
Civilian defense
Earthquake resistant construction
Fire prevention
Firepooof construction
National defense

PROTECTIVE COVENANTS
USE SEEDS
SEED RESTRICTIONS

PROTECTIVE COVERINGS
RT Vegetal cover

PROTECTIVE LININGS
USE LININGS

PROTOZOA
UF Ciliates
BT Animals
Invertebrates
Microorganisms
RT Antiprotozoals (pesticides)
Aquatic animals
Aquatic microorganisms
Parasites
Soil microorganisms
Thermophilic animals
Water pollution sources

PROVINCIAL PLANNING
USE STATE PLANNING

PRUNING
UF Topiary
RT Tree surgery

PRUNUS SPECIES
USE STONE FRUITS

PSYCHOLOGICAL ASPECTS
RT Education
Environmental engineering
Environments
Management
Psychology
Recreation
Social aspects

PSYCHOLOGY
BT Behavioral sciences
Sciences
Social sciences
NT Conditioned response
Educational psychology
Individual psychology
Social psychology
RT Poverty
Social welfare
Disaster services
Guaranteed annualincome
Hospitals
Social service, rural
Old age-social service
Poor
Social service

PTERYGOTA
BT Anthropoda
Insects
Invertebrates
NT Hymenoptera
Isoptera
Termites

PUBLIC ACCESS
RT Scenic easements

PUBLIC ADMINISTRATION
BT Administration
Management
Political science
RT Government

PUBLIC ASSISTANCE
UF Family allowances
Public welfare
Unemployment
Welfare
BT Welfare
RT Poverty
Social welfare
Disaster services
Guaranteed annual income
Hospitals
Social service, rural
Old age-social service
Poor
Social service

PUBLIC BATHING BEACHES
BT Public beaches
RT Recreation

PUBLIC BEACH SITES
BT Public recreation

PUBLIC BEACHES
BT Public recreation
Recreation
NT Public bathing beaches
RT Public services

PUBLIC BUILDING LIGHTING
USE COMMERCIAL LIGHTING

PUBLIC BUILDINGS
BT Buildings
NT Auditorium
Hotels
(Continued)

PUBLIC BUILDINGS (Continued)
NT Motels
Shopping center
RT Public facilities

PUBLIC CONTRACTS
USE FEDERAL CONTRACTS

PUBLIC CORPORATIONS
USE MUNICIPAL CORPORATIONS

PUBLIC DOMAIN
USE PUBLIC LANDS

PUBLIC FACILITIES
RT Public buildings
Public services
School location

PUBLIC FINANCE
NT County city financial relationships
Fiscal policy
Local expenditures
State aid
State grants in aid
Taxes
RT City county financial relationships
Governments

PUBLIC GARDENS
BT Open spaces
Recreation

PUBLIC GREENS
BT Parks

PUBLIC HEALTH
RT Pollution
Hygiene
Fluoridation
Fluorides
BT Health
Public services

PUBLIC HOUSING
UF Government assisted housing
Housing - state programs
Housing projects, government
Housing subsidies
State housing
(Continued)

PUBLIC HOUSING (Continued)
UF Subsidized housing
NT Low rent public housing
RT Federal housing programs
Housing
Housing legislation
Municipal housing
Public housing leasing programs
Rental housing
State aided housing programs
Housing legislation
Housing management
Local housing authorities
Low-income housing
State aided housing programs
Tenant selection

PUBLIC HOUSING LEASING PROGRAMS
RT Public housing

PUBLIC HOUSING PROJECTS
UF Housing projects, government
BT Housing

PUBLIC IMPROVEMENT PROGRAM
BT Capital programming

PUBLIC IMPROVEMENTS
RT Capital programming
Public services
Roads
Streets

PUBLIC LAND
UF Federal lands
Government ownership (land)
Public domain
State lands
BT Lands
NT Mineral lands
National parks
Common areas
Federal reservations
Military reservations
National battlefields
National historic sites
National lakeshores
National memorials
National monuments
)Continued)

PUBLIC LAND (Continued)
National forests
National historic parks
National recreation areas
National seashores
Public land
Withdrawn lands
RT Homesteading
Highway beautification
Indian reservations
Institutional lands
Land expropriation
Land grants
Public land policy
Public land recreation use
Desert land act

PUBLIC LAND POLICY
BT Policies
RT Public land

PUBLIC LAND RECREATION USE
BT Public land uses
RT Public land
Recreation

PUBLIC LAND USES
BT Land use
NT Public land recreation use

PUBLIC LAW
BT Law (jurisprudence)

PUBLIC OPINION
UF Opinion, public
RT Political science
Public relations
Questionnaires
Social psychology

PUBLIC OPINION POLLS
UF Housing polls
RT Survey method

PUBLIC OPINION SURVEYS
UF Opinion surveys
BT Surveys
RT Public opinion
Questionnaires

PUBLIC OWNERSHIP
RT Urban land

PUBLIC PERSONNEL
RT Ombudsman

PUBLIC PLAYGROUNDS
BT Parks
Play grounds
Recreation

PUBLIC POLICY
USE POLICIES

PUBLIC POLICIES
USE POLICIES

PUBLIC RECREATION
NT Public beach sites
Public beaches

PUBLIC RELATIONS
UF Community relations
RT Advertising
Communication systems
Community relations
Public opinion
Publicity
Television

PUBLIC RIGHTS
BT Legal aspects
RT Litigation
Right of way
Water law

PUBLIC SCHOOLS
NT Education

PUBLIC SECURITIES
USE MUNICIPAL BONDS

PUBLIC SERVICES
NT Cemeteries
City dump
City services
Community health council
Community mental health centers
Fire protection
Law enforcement
Local sanitation
Metropolitan housing authority
Municipal libraries
Municipal refuse disposal
Municipal services
Police protection
Public health
Public health service
Public library
(Continued)

PUBLIC SERVICES (Continued)
NT Public sewage disposal facilities
Public welfare administration
Public works
Refuse and junk disposal
Waste treatment
RT Government services
Municipal expenditures
Municipal purchasing
Municipal purchasing
Public beaches
Public employees
Public facilities
Public improvements
Public revenue
Sanitation
Street lighting

PUBLIC SEWAGE DISPOSAL FACILITIES
BT Public services

PUBLIC SPENDING POLICY
USE STATE FINANCE

PUBLIC TRANSPORT
NT Airline passenger traffic
Airlines
Airports
Airways
Commuting areas
Helicopters
Heliports
RT Commuters
Journey to work

PUBLIC TRANSPORTATION
BT Municipal services
NT Bus transportation

PUBLIC UTILITIES
BT Urban services
Utilities
NT Electric utilities
RT Commercial transportation
Electric power
Gas industry
Public utility districts
Public works
Regional planning
River basin development
Urban planning
Water services
Water distribution (applied)

PUBLIC UTILITY DISTRICTS
  BT Regions
  RT Electric power
    Governments
    Public utilities
    Utilities

PUBLIC WELFARE
  USE PUBLIC ASSISTANCES

PUBLIC WORKS
  RT Construction
    Contracts
    Conveyance structures
    Dams
    Designs
    Distribution systems
    Hydraulic structures
    Parks
    Public utilities
    Sewage works
    Waterworks

PUBLICATIONS
  RT Documentation
    Professional societies
    Records
    Reports
    Tables (data)
    Thesaurus

PUBLICITY
  RT Mass media
    Public relations

PUBLISHERS
  USE PUBLISHING

PUBLISHING
  UF Publishers
  BT Book industry
  RT Books
    Copyrights
    Journalism
    Manuscripts
    Newspapers

PULP
  NT Paper pulp
    Wood pulp

PULP AND PAPER INDUSTRY
  UF Paper industry
  BT Industries
  RT Forests
    Lumbering

PULP WASTES
  UF Paper pulp wastes
  BT Industrial wastes
    Wastes
  RT Lumbering
    Sulfite liquors
    Water pollution sources

PULS METHOD
  USE FLOOD ROUTING

PUMP TURBINES
  RT Pumping
    Pumped storage

PUMPED STORAGE
  BT Storage
    Water storage
  RT Electric power
    Flow augmentation
    Pumping
    Pump turbines
    Reservoir operation
    Forebays
    Hydroelectric power generation
    Reservoirs

PUMICE
  BT Earth material

PUMPING
  UF Water pumping
  NT Deep well pumping
  RT Drainage
    Drawdown
    Electric powerplants
    Flow
    Ground water depletion
    Ground water mining
    Ground water movement
    Hydraulics
    Induced infiltration
    Irrigation systems
    Irrigation wells
    Land subsidence
    Mudjacking
    Pipelines
    Pumped storage
    Pumps
    Pump turbines
    Recirculating irrigation system
    Rotary pumps

(Continued)

PUMPING (Continued)
RT Safe yield
Saline water intrusion
Specific capacity
Storage
Subsidence
Water circulation
Water column separation
Water delivery
Water level fluctuations
Wells

PUMPING PLANTS
UF Pumping stations
BT Buildings
Engineering structures
Industrial plants
Structures
RT Drainage
Irrigation
Piping systems (mechanical)
Pumping
Pumps
Pump turbines
Roofs
Sewage
Sewerage
Water storage

PUMPING STATIONS
UF Pumping plants
BT Stations
RT Force mains
Pipelines
Pumping engines
Pumps
Sewers

PUMPS
BT Hydraulic equipment
Hydraulic machinery
Machines
Rotating machines
NT Sewage pumps
Fire pumps
RT Intakes
Irrigation engineering
Pumping
Sprinkler irrigation
Water distribution
Water distribution (applied)
Water conveyance

PURCHASING
BT Procurement

PURCHASING POWER
RT Inflation

PURIFICATION (WATER)
UF Water purification

PURIFICATION
RT Abatement
Beneficiation
Contamination
Demineralization
Desalination
Distillation
Elimination
Separation

PURITY
RT Clarity
Concentration (composition)
Contaminants
Decontamination
Dilution
Fineness
Pollution
Quality

PURSHIA
UF Bitterbrush

QUADRANT
BT Mapping

QUADRATURE
USE ORBITS

QUALITATIVE ANALYSIS
BT Analysis
Analytical techniques
Chemical analysis

QUALITY
UF Grades (quality)
NT Water quality
RT Accuracy
Concentration (composition)
Consistency
Contamination
Durability
Evaluation
Figure of merit
Fineness
Impurities
Marketing
Performance
Pollution
Precision
Product development
Purity
Quality assurance
Quality control
Reliability
Specifications
Stability
Upgrading
Validity
Variability

QUALITY CONTROL
BT Control
NT Statistical quality control
Water quality control
RT Industrial engineering
Reliability
Sampling (statistics)
Sampling
Storage
Tolerances (mechanics)
Value engineering

QUATERNARY PERIOD
RT Sea level
Shores

QUARTERS
BT Urban form

QUALITATIVE ANALYSIS

QUANTITATIVE GEOMORPHOLOGY
BT Geomorphology
RT Badlands
Gully erosion

QUANTITATIVE SAMPLING
BT Analytical techniques
Sampling
Techniques
RT Data collections
Measurement
On-site data collections
Quadrant
Surveys
Transect

QUANTITATIVE ANALYSIS
BT Analysis
Analytical techniques
Chemical analysis

QUANTIZATION
USE MEASUREMENT

QUANTUM ANALYSIS
USE QUANTUM MECHANICS

QUANTUM MECHANICS
UF Analysis (quantum)
Quantum analysis
Quantum theory
BT Physics

QUANTUM THEORY
UF Quantum mechanics
Wave mechanics
RT Angular momentum
Atomic orbitals
Atomic properties
Atomic theory
Baryons
Dirac equation
Elementary particles
Emission
Field theory (physics)
Ground state
Hamiltonian functions
Molecular orbitals
(Continued)

QUANTUM THEORY (Continued)
- RT Nuclear physics
  - Nuclear spin
  - Parity
  - Perturbation theory
  - Photons
  - Quantum chemistry
  - Quantum numbers
  - Statistical distributions
  - Statistical mechanics
  - Uncertainty principle
  - Wave equations

QUARRIES
- UF Mines (excavations)
- BT Mines

QUARRYING
- BT Excavation
  - Mining
  - Open pit mining
  - Surface mining

QUARTZ
- BT Minerals

QUARTZITE
- BT Crystalline rocks
  - Metamorphic rocks
  - Rocks
- RT Sandstone
  - Sedimentary rocks

QUASI CONTRACTS (LAW)
- UF Obligations
- RT Contracts
  - Unjust enrichment

QUASIPUBLIC LAND USES
- BT Land use

QUATERNARY PERIOD
- BT Cenozoic era
  - Geologic time

QUAYS
- USE DOCKS

QUENCHING
- RT Cooling
  - Hardening
  - Supersaturation

QUERCUS
- USE OAK TREES

QUESTIONNAIRES
- RT Public opinion
  - Surveys (data collection)

QUEUEING THEORY
- BT Operations research
  - Theory

QUICK CLAYS
- BT Clays
  - Earth materials
  - Fines
  - Materials
  - Soils
  - Soil types

QUICKSAND
- BT Granular materials
  - Sands
  - Soils
  - Soil types

RABBITBUSH
BT Brush
Crops
Dicots
Horticultural crops
Phreatophytes
Plants (botany)
RT Chaparral
Desert plants
Range management
Weed control

RABBITS
BT Eutheria
Lagamorpha
Mammals
Unguiculata
Vertebrates

RACE RELATIONS
BT Social relations
RT Chinnatowns
City intergroup conflict
Cultural conflict
Open occupancy
Racial segregation
Riots

RACE RESTRICTIVE HOUSING COVENANTS
USE DEEDS
DEED RESTRICTIONS

RADAR
NT Meterological radar
RT Instrumentation
Communication
Radar stations
Surveying

RADAR STATIONS
RT Radar

RADIAL CORRIDOR DEVELOPMENT
BT Spatial analysis
Urban development

RADIAL EXTENSION
BT Urban growth

RADIAL OR AXIAL PATTERN
BT Street patterns

RADIAL LOADS
BT Loads (forces)

RADIAL PATTERNS
BT Highway patterns
Urban patterns

RADIAL WELLS
USE INFILTRATION GALLERIES

RADIANT ENERGY
USE RADIATION

RADIATING STREETS
RT Roads

RADIATION
UF Radiant energy
Use of a more specified
term is recommended; consult
the terms listed below
Coherent radiation
Conduction
Convection
Corpuscular radiation
Electromagnetic radiation
Emission
Fallout
Flux (rate)
Flux density
Heating
Heat transmission
Ionizing radiation
Irradiation
Longitudinal waves
Nuclear radiation
Photons
Quantum theory
Radiant cooling
Radiation effects
Radioactive decay
Radioactivity
Radiology
NT Solar radiation
Spectral emittance
Spurious radiation
Terrestrial radiation
Ultraviolet radiation
Elastic waves
Electromagnetic waves
Radio waves
Noise (sound)
Thermal radiation
(Continued)

RADIATION (Continued)
NT X-rays
RT Cloud cover
Energy transfer
Snowmelt

RADIATION DECONTAMINATION
BT Decontamination

RADIATION EFFECTS
UF Thermal spikes
NT Chorioretinal burns
Flash burns
Induced radioactivity
Lenticular burns
Radiation burns
Radiation damage
Radiation injuries
Radiation sickness
Radiodermatitis
Ultrasonic injuries
RT Blackout (propagation)
Damage
Degradation
Dosimetry
Fallout
Gamma rays
Health physics
Irradiation
Neutrons
Nuclear explosion effects
Nuclear radiation
Nuclear warfare casualties
Preserving
Radiation hazards
Radiation protection
Radiation tolerance
Radioactive contaminants
Radiobiology
Radiological defense
Radiological weapons
Radiolysis

RADIATION MEASUREMENT
RT Test canals

RADIATION NOISE
USE ELECTROMAGNETIC NOISE

RADIATION PRESSURE
UF Solar radiation pressure
BT Pressure
NT Sound pressure

RADIATION PROOF CONSTRUCTION
USE PROTECTIVE CONSTRUCTION

RADIATION (ULTRAVIOLET)
USE ULTRAVIOLET RADIATION

RADIO
USE RADIO COMMUNICATION

RADIO BROADCASTING
BT Broadcasting

RADIO COMMUNICATION
UF Radio
Radio networks
BT Telecommunication
NT Microwave communication
Microwave relay systems
Radio relay systems

RADIO EQUIPMENT
NT Microwave receivers
Radio receivers
Television receivers

RADIO INTERFERENCE
USE RADIOFREQUENCY INTERFERENCES

RADIO NETWORKS
USE RADIO COMMUNICATION

RADIO RECEIVERS
UF Radios
Regenerative receivers
BT Radio equipment
Receivers
NT Crystal video receivers
Microwave receivers
Radio repeaters
Radio telephones
Radio transponders
Superheterodyne receivers
Transmitter receivers
Walkie talkies
RT Crystal detectors
Electromagnetic noise
Intermediate frequency amplifiers
Interrogator transmitters
Loudspeakers
Radar receivers
Radio broadcasting
(Continued)

RADIO RECEIVERS (Continued)
RT Radio frequency amplifiers
Radio frequency interference
Radio reception
Radiotelegraphy
Radio telescopes
Radio transformers
Radio transmitters
Reradiation
Sound reproduction
Sound systems
Telegraph receivers
Telephone receivers
Television receivers
Tuners.

RADIO RECEPTION
NT Television reception
RT Diversity reception
Microwave communication
Microwave relay systems
Radio communication
Radiofrequency interference
Radio links
Radio receivers
Radio relay systems
Radio transmission
Receiving
Scatter propagation

RADIO RELAY STATIONS
RT Radio relay systems

RADIO RELAY SYSTEMS
UF Communication satellite systems
BT Radio communication
Telecommunication
NT Microwave relay systems
RT Data links
Global communication
Microwave communication
MW line of site communication
Radio beams
Radio broadcasting
Radio equipment
Radio facsimile systems
Radio links
Radio reception
Radio relay systems
Radio repeaters
(Continued)

RADIO RELAY SYSTEMS (Continued)
RT Radiotelegraphy
Radio telemetry
Radio transmission
Telephone systems

RADIO STATIONS
RT Television stations

RADIO TRANSMISSION
BT Electromagnetic wave transmission
Transmission
Wave propagation
NT Double sideband transmission
Ionospheric propagation
Multipath transmission
Single sideband transmission

RADIO WAVES
BT Electromagnetic waves
Radiation
Transport phenomena
Waves
NT Microwaves

RADIOACTIVATION ANALYSIS
UF Activation analysis
BT Chemical analysis
Chemical tests

RADIOACTIVE CONTAMINATION
UF Contamination (radiological)
BT Contaminants
Contamination

RADIOACTIVE DATING
BT Dating

RADIOACTIVE FALLOUT
USE FALLOUT

RADIOACTIVE ISOTOPES
UF Radioactive tracers
Radioisotopes
Radionuclides
BT Isotopes
Nuclides
NT Tritium

RADIOACTIVE TRACERS
USE RADIOACTIVE ISOTOPES

RADIOACTIVE WASTE DISPOSAL
BT Disposal
Industrial waste treatment
Waste disposal
RT Waste treatment

RADIOACTIVE WASTES
UF Nuclear wastes
BT Wastes
RT Nuclear powerplants
Pollution
Sewage works
Water pollution
Water pollution sources

RADIOACTIVE WELL LOGGING
BT Logging (recording)

RADIOACTIVITY
RT Geophysics
Isotopes
Radiation
Soil contamination
Water quality

RADIOACTIVITY EFFECTS
BT Effects
RT Damages
Ecology
Environmental effects
Habitats
Productivity
Succession
Population

RADIOECOLOGY
BT Ecology

RADIOFREQUENCY INTERFERENCE
UF Radio interference
BT Electromagnetic interferences
NT Atmospherics
Blackout (propagation)
Cosmic noise
Electromagnetic noise
Natural radiofrequency interference

RADIOISOTOPES
UF Isotopes (radioactive)
Radioactive isotopes
BT Isotopes
NT Plutonium radioisotopes
(Continued)

RADIOISOTOPES (Continued)
NT Potassium radioisotopes
Radium radioisotopes
Sodium radioisotopes
RT Fallout
Water pollution sources

RADIONUCLIDES
USE RADIOACTIVE ISOTOPES

RADIOS
USE RADIO RECEIVERS

RADIUM
BT Alkaline earth metals
Chemical elements
Metals
NT Radium radioisotopes

RADIUM RADIOISOTOPES
BT Alkaline earth metals
Chemical elements
Isotopes
Metals
Radioisotopes
Radium

RAIL TRANSPORTATION
UF Railroad transportation
BT Transportation
RT Mass transportation
Railroads
Railroad stations

RAILROAD BRIDGES
BT Bridges (structures)
Engineering structures
RT Arch bridges
Arch trusses
Bascule bridges
Highway bridges
Railroad relocation
Railroads
Suspension bridges
Truss bridges
Wooden bridges

RAILROAD CROSSINGS
USE RAILROADS

**RAILROAD RELOCATION**
UF Railroads
BT Relocation
RT Locating
Location
Railroad bridges
Railroads
Right-of-way
Vehicular tunnels

**RAILROAD ROADBEDS**
USE RAILROADS

**RAILROAD STATIONS**
BT Stations
RT Railroads
Railroad terminals
Rail transportation

**RAILROAD SUBWAYS**
USE SUBWAY RAILWAYS

**RAILROAD TERMINALS**
BT Terminal facilities
RT Railroads
Railroad stations

**RAILROAD TRANSPORTATION**
USE RAIL TRANSPORTATION

**RAILROAD TUNNELS**
BT Tunnels
Underground structures
RT Ground water
Tunnel construction

**RAILROADS**
UF Railways
NT Rapid transit railways
RT Embankments
Rail transportation
Railroad bridges
Railroad relocation
Railroad stations
Railroad terminals
Transportation

**RAILROADS**
UF Railroad crossing
Railroad relocation
Railroad roadbeds
Railways
(Continued)

**RAILROADS (Continued)**
NT Electric railroads
Elevated railroads
Main line railroads
Monorail railways
Rapid transit railways
Street railroads
Subway railways
RT Embankments
Interchange
Mine haulage
Overpasses
Railroad bridges
Railroad signals
Railroad stations
Railroad switches
Railroad terminals
Railroad tracks
Railroad trains
Railroad tunnels
Rail transportation
Relocation
Roadbeds
Rolling stock
Tramways
Underpasses

**RAILWAYS**
USE RAILROADS

**RAIN**
UF Pluvial
BT Ground water sources
Precipitation (atmospheric)
Precipitation (meteorology)
RT Artificial precipitation
Cloud seeding
Raindrops
Rainfall
Rainfall intensity
Sleet
Soil erosion
Thunderstorms
Weather

**RAIN EROSION**
USE WATER EROSION

**RAINDROPS**
BT Drops (liquids)
RT Rain
Sheet erosion
Water impingement

RAINFALL
UF Hydrographs (rainfall)
Rainfall hydrographs
NT Cloudbursts
RT Depth-area-duration analysis
Excessive precipitation
Flash floods
Flood estimate
Flood forecasting
Flood frequency
Flood hydrographs
Flood hydrology
Intensity
Interception
Large watersheds
Peak runoff
Precipitation intensity
Precipitation rate
Rain
Rainfall intensity
Rainfall-runoff relationships
Rainfall stations
River forecasting
Humid areas
Subhumid areas

RAINFALL INTENSITY
BT Intensity
Precipitation intensity
Rates
RT Flash floods
Meteorology
Precipitation (atmospheric)
Precipitation (meteorology)
Rain
Rainfall
Runoff

RAINFALL-RUNOFF RELATIONSHIPS
RT Depth-area-duration analysis
Discharge (water)
Hydrographs
Intensity
Percolation
Rainfall
Runoff
Slopes
Storage coefficient
Surface-groundwater relationships
Surface storage
Vegetation effects
Water Harvesting

RAINFALL SIMULATORS
RT Sprinkler irrigation

RAINFALL STATIONS
RT Precipitation (atmospheric)
Rainfall

RAINFALL EXCESS
USE PRECIPITATION EXCESS

RAINFALL HYDROGRAPHS
USE RAINFALL

RAIN FORESTS
BT Biomes
Forest types
Forests
RT Mountain forests
Podzols
Tropic
Wet climates
Wet seasons
Yellow podzolic soils

RAIN GAGES
BT Measuring instruments
Meteorological instruments
Precipitation gages
RT Precipitation (meteorology)

RAIN REPELLANTS
UF Antirain agents
RT Protective coatings

RAIN STIMULATION
USE CLOUD SEEDING

RAIN WATER
BT Water types
RT Floods

RAINY SEASONS
USE WET SEASONS

RAMMED EARTH CONSTRUCTION
USE EARTH WALL CONSTRUCTION

RAMS (SHEEP)
USE SHEEP

RANCH PONDS
USE FARM PONDS

RANCHES
RT Corrals
Farm buildings
Farms
Livestock equipment
Pasture

RANEY NICKEL
USE CATALYSTS
NICKEL

RANGE GRASSES
BT Grasses
Plants (botany)
NT Wheatgrasses
RT Forages
Grazing land
Pasture

RANGE MANAGEMENT
BT Management
RT Browse utilization
Carrying capacity
Controlled burning
Revegetation

RANGE LAND
USE GRAZING LAND

RANGE LAND
USE RANGES

RANGES
UF Forest rangers
Grasslands
Grazing land
Rangeland
NT Forest ranges
RT Brush
Conservation
Forages
Grasslands
Grazing
Pastures
Phreatophytes
Resource conservation
Succession
Vegetal cover

RAPID EXCAVATION
BT Excavation
RT Blasting
Canals
(Continued)

RAPID EXCAVATION (continued)
RT Construction
Construction equipment
Construction methods
Earth handling equipment
Excavators
Explosions
Explosive excavation
Explosives

RAPID FLOW
USE SUPERCRITICAL FLOW

RAPID TRANSIT
BT Transportation
NT High speed railroads
Monorail
Subways

RAPID TRANSIT RAILWAYS
UF Urban railways
Urban rapid transit
BT Railroads
NT Elevated railroads
RT Monorail railways

RARE EARTH ALLOYS
RT Rare earth containing alloys

RARE EARTH COMPONENTS
NT Cerium compounds

RARE EARTH CONTAINING ALLOYS
RT Lanthanium containing alloys
Rare earth alloys

RARE EARTH ELEMENTS
UF Lanthanide series metals
Lanthanons
Rare earth metals
BT Metals
RT Rare earth minerals

RARE EARTH GLASS
BT Glass
RT Rare earth minerals

RARE EARTH METALS
USE RARE EARTH ELEMENTS

RARE EARTH MINERALS
UF Rare earths
RT Mineral deposits
Rare earth elements
Rare earth glass

RARE EARTHS
USE RARE EARTH MINERALS

RATES
NT Electric power rates
Flow rates
Growth rates
Rainfall intensity
Rates of application
Sedimentation rates
Settling velocity
Strain rate
Use rates
Water rates
RT Electric utilities
Land appraisal
Safe yield
Taxes
Utilities
Water yield

RATES OF APPLICATION
UF Application rates
BT Rates
RT Application methods
Chemcontrol
Distribution patterns
Duty of water
Growth stages
Irrigation practices
Return flow
Timing
Water delivery
Water distribution
(applied)

RATIONAL PLANNING
BT Planning

RATIOS
NT Indexes (ratios)
Water cement ratio

RATS
BT Eutheria
Mammals
Rodents
(Continued)

RATS (Continued)
BT Unguiculata
Vertebrates
RT Mice

RAVINES
BT Land forms
RT Arroyos
Canyons
Gullies
Gully erosion
Guts
Valleys

RAW MATERIALS
RT Agricultural products
Chemurgy
Stockpiling
Strategic materials

REACTIONS (CHEMICAL)
USE CHEMICAL REACTIONS

REACTORS (ELECTRIC)
USE ELECTRIC REACTORS

REACTOR FUELS
USE NUCLEAR FUELS

REACTORS (NUCLEAR)
USE NUCLEAR REACTORS

REAERATION
UF Reoxygenation
RT Water circulation
Water quality
Waste treatment

REAL CITY
BT Types of cities

REAL COVENANTS
USE DEEDS
DEED RESTRICTIONS

REAL ESTATE
UF Real property
BT Land values
NT Accommodation land
Air space
Commercial properties
House buying
House purchasing
(Continued)

REAL ESTATE (Continued)
NT Land market
Property taxes
Real estate depreciation
Speculative builder
Urban land
Urban real estate
RT Access rights
Acreage
Mortgage
Property values
Real estate board
Real estate development
Sites
Vacant possession

REAL ESTATE BUSINESS
RT Business
Land use
Home ownership
Industrial districts
Investments
Real estate advertising
Subdivision
Trade-in houses

REAL ESTATE CITIES
BT Types of cities

REAL ESTATE BOARD
RT Interest groups
Property
Real estate

REAL ESTATE DEPRECIATION
BT Depreciation
Real estate

REAL ESTATE DEVELOPER
BT Land development
RT Real estate development

REAL ESTATE DEVELOPMENT
RT Land development
Planning
Real estate
Real estate developer
Subdividing

REAL ESTATE RESEARCH
BT Urban research

REAL PROPERTY
UF Real estate
RT Lien
Conveyancing
Ground landlord
Real property assessment

REAL PROPERTY
BT Condominium property
Estates
NT Adverse possession
Air rights
Homestead
Nonfreehold estates
Office properties
RT Trade-in houses
Torrens systems
Tenant selection
Subdivision

REAL PROPERTY ASSESSMENT
BT Assessments
RT Property values
Real property
Taxation

REAL PROPERTY INVENTORIES
BT Property

REAL PROPERTY LAW
NT Abstract of title
Assignment of lease
Avulsions
City tenement house laws
Concurrent estate
Deed execution
Deed of sale
Deed of trust
Deed of recordings
Deeds
Eminent domain
Freehold
Implied covenant
Mortgage note
Reversion
Sublease
Writ of ejectment
RT Air space
Equity
Escheat
Escrow
Eviction
Guaranteed mortgages
Junior mortgages

REAL PROPERTY - MANAGEMENT
USE HOUSING MANAGEMENT

REAL PROPERTY TAXES
BT Taxes
NT Classified taxes

REAPPORTIONMENTS
BT Political change
RT Elections

REASONABLE USE
UF Beneficial purpose
RT Irrigation water
Prior appropriation
Recreation
Riparian rights
Waste disposal
Water pollution
Water utilization
Wildlife conservation

RECAPTURING
USE MARKING TECHNIQUES

RECEIVERS
BT Instrumentation
NT Radio receivers
Television receivers
RT Telephones

RECHARGE
NT Artificial recharge
Ground water recharge
Induced infiltration
Natural recharge
RT Drawdown
Ground water mining
Inflow
Injection
Injection wells
Reclaimed water
Saline water intrusion
Seepage
Soil water movement
Spreading basins
Water storage
Water supply
Well yield
Zone of saturation

RECHARGE WELLS
BT Wells
(Continued)

RECHARGE WELLS (Continued)
RT Ground water
Spreading basins

RECHARGE (GROUND WATER)
USE GROUND WATER RECHARGE

RECIPROCATING ENGINES
BT Engines
Piston engines
NT Steam engines

RECIRCULATED WATER
BT Water types
RT Industrial water
Mine water
Water reuse
Water utilization

RECIRCULATING IRRIGATION SYSTEM
BT Gravity irrigation
Irrigation systems
RT Diversion loss returns
Irrigation
Pumping
Runoff

RECIRCULATION
USE CIRCULATION

RECIRCULATION (WATER)
USE WATER RECIRCULATION

RECLAIMED WATER
BT Water
Water types
RT Diversion loss returns
Effervescence
Effluents
Recharge
Water quality
Water reuse
Water treatment

RECLAMATION
NT Land reclamation
Soil reclamation
Water reclamation
Water reuse
Waste water use
RT Arid regions
Drainage
Irrigation
(Continued)

RECLAMATION (Continued)
    RT Conservation
        Polders
        Salvage
        Soil conservation
        Water salvage

RECLAMATION ACT
    USE FEDERAL RECLAMATION LAW

RECLAMATION LAW
    USE FEDERAL RECLAMATION LAW

RECLAMATION (SOIL)
    USE LAND RECLAMATION

RECLAMATION STATES
    RT Arid lands

RECLAMATION (WASTE WATER)
    USE WATER REUSE

RECLAMATION (WATER)
    USE WATER REUSE

RECONNAISSANCE
    UF Surveys
    NT Acoustic reconnaissance
        Aerial reconnaissance
        Electronic reconnaissance
        Ground reconnaissance
        Infrared reconnaissance
        Naval reconnaissance
        Photographic reconnaissance
        Radar reconnaissance
        Space reconnaissance
        Submarine reconnaissance
        Television reconnaissance
        Ultraviolet reconnaissance
        Visual reconnaissance

RECONNAISSANCE SURVEYS
    BT Surveys
    RT Aerial photography
        Geologic investigations
        Geophysical prospecting
        Mapping
        Surveying

RECONSTRUCTION
    RT Economic conditions
        International relations
        (Continued)

RECONSTRUCTION (Continued)
    RT Technical assistance programs
        World War (1939-1945)

RECORDING SYSTEMS
    RT Systems engineering

RECORDS
    NT Logs
        Streamflow records
    RT Documentation
        Plans
        Publications
        Reports
        Tables (data)
        Technical writing

RECREATION
    UF Outdoor recreation
    NT Boating
        Camping
        Skiing
        Sport fishing
        Swimming
        Water skiing
        Water sports
        Winter sports
        Amusement areas
        Amusement facilities
        Golf courses
        Marina city
        Neighborhood centers
        Play areas
        Public gardens
        Public beaches
        Public playgrounds
        Park distribution
        Recreational areas
    RT Golf courses
        Hunting
        Non-consumptive use
        Playgrounds
        Psychological aspects
        Reasonable use
        Recreation demand
        Recreation wastes
        Riparian rights
        Open areas
        Park development
        Public bathing beaches
        Public land recreation use
        Resort towns
        (Continued)

RECREATION (CONTINUED)
RT Safety
Scenery
Scenic highways
Social aspects
Social behavior
Social impact
Sociology
Tourism
Use rates
Water allocation
Water policy

RECREATION CENTERS
NT Canteens
Youth centers

RECREATION DEMAND
UF Demand schedule (recreation)
BT Demand
RT Recreation

RECREATION FACILITIES
BT Facilities
NT Camp sites
Playgrounds
Swimming pools
RT Skiing
River basin development

RECREATION WASTES
BT Wastes
RT Disposal
Litter
Recreation
Waste disposal

RECREATIONAL AREAS
BT Recreation

RECREATIONAL FACILITIES
RT Cultural centers
Golf courses
Landscaping
Land use zoning
National parks
Parks
Reservoirs

RECREATIONAL LAND USES
BT Land use

RECTANGULAR PLAN
RT Street systems

RECTIFICATION (CHANNEL)
USE CHANNEL IMPROVEMENTS

RECURRENCE INTERVALS
USE PERIODIC VARIATIONS

RECYCLING
USE CIRCULATION

RED FIR TREES
UF Abies magnifica
BT Coniferous trees
Conifers
Gymnosperms
Plants (botany)
Trees
RT Coniferous forests

RED PINE TREES
UF Norway pine trees
Pinus resinosa
BT Coniferous trees
Conifers
Gymnosperms
Pine trees
Plants (botany)
Trees
RT Coniferous forests

RED PODZOLIC SOILS
BT Acidic soils
Pedalfers
Podzols
Soil groups
Soils
Soil types
RT Yellow podzolic soils

RED TIDE
RT Dinoflagellates
Fish toxins
Marine algae
Mortality
Sea water
Water pollution sources

REDEVELOPMENT
BT Urban renewal
NT Area redevelopment
Debris clearance
Downtown redevelopment
Midtown redevelopment
Private redevelopment
Urban renewal
RT Displaced persons
Metropolitan renewal
Slums
Space costs

REDEVELOPMENT AREAS
RT Urban renewal

REDEVELOPMENT POLICY
BT Urban renewal

REDEVELOPMENT PROJECT
BT Urban renewal

REDEVELOPMENT, URBAN
USE URBAN RENEWAL

REDEYL BASS
USE BASS

REDUCTION
RT Shrinkage
Depreciation

REEFS
BT Land forms
RT Atolls
Banks
Carbonate rocks
Coral
Geomorphology
Limestone
Sand bass
Sedimentary rocks
Sedimentation
Sediment concentration
Shallow water
Shoals

REFERENCE PERFORMANCE (INSTRUMENTS)
USE ENVIRONMENTS

REFERENCES (STANDARDS)
USE STANDARDS

REFINERIES
UF Oil refineries
Petroleum refineries
BT Industrial plants
RT Petroleum refining
Refining
Separators
Smelters

REFINERS (CLASSIFIERS)
USE CLASSIFIERS

REFORM MOVEMENT
BT Urban reform

REFORESTATION
UF Afforestation
Forestation
BT Forest regeneration (artificial)
Plant cover
Revegetation
Vegetation establishment
RT Forest management
Forest planting
Land development
Land management
Natural resources
Soil conservation

REFRACTION
UF Refraction index
Refraction properties
NT Atmospheric refraction
RT Seismic waves

REFRACTION INDEX
USE REFRACTION

REFRACTION PROPERTIES
USE REFRACTION

REFRACTORY MATERIALS
NT Iridium
Molybdenum
Niobium
Osmium
Rhenium
Tantalum
Tungsten

REFRACTORY METALS
BT Metals
NT Molybdenum
Iridium
Niobium
Tungsten
Refractory metals
Rhenium
Tantalum

REFUSE
UF Wastes
Trash
BT Wastes
NT Garbage
RT Airborne wastes
Industrial wastes
Organic wastes
(Continued)

REFUSE (Continued)
RT Refuse disposal
Rubble
Sanitary engineering
Scrap
Sewage
Spoil

REFUSE AND JUNK DISPOSAL
BT Public services

REFUSE COLLECTION AND DISPOSAL
BT Urban services

REFUSE DISPOSAL
BT Disposal
Waste management
NT Landfill
RT Garbage
Garbage dumps
Incineration
Incinerators
Insect control
Sanitary engineering
Refuse
Sewage disposal
Sewage treatment plants
Sewage works
Solid waste disposal
Waste disposal

REFUSE REMOVAL
BT Urban services

REGENERATIVE RECEIVERS
USE RADIO RECEIVERS

REGIME
RT Alluvial channels
Banks
Beds
Canals
Channel morphology
Channels
Equilibrium
Flow
Flow profiles
Graded
Hydraulics
Regimen
Regime theory
Slopes

REGIME THEORY
RT Regime

REGIMEN
RT Regime

REGIONAL ACCOUNTS
BT Regional anslysis

REGIONAL ANALYSIS
BT Analysis
NT Regional accounts
Spatial distribution
RT Regional development
Climatic data
Regional economics
Regions

REGIONAL CITIES
BT Types of cities
RT Regional planning

REGIONAL CORE
BT Urban centers

REGIONAL DECENTRALIZATION
BT Spatial patterns

REGIONAL DEVELOPMENT
RT Economics
Planning
Regional analysis
Regions
Water resources development

REGIONAL ECONOMIC GROWTH
BT Economic growth
NT Econometric models
RT Effective tax rates
Regional trade

REGIONAL ECONOMICS
BT Economics
RT Economic impact
Land use
Regional analysis
Regions
Resource allocation
Taxes
Urbanization

REGIONAL FLOOD
BT Floods
(Continued)

REGIONAL FLOOD (Continued)
RT Design flood
Flood damage
Flood forecasting
Regions

REGIONAL GROWTH
NT Metropolitan expansion

REGIONAL METROPOLISES
BT Types of cities
RT Regionalism

REGIONAL PATTERNS
BT Spatial analysis

REGIONAL PLANNING
BT Planning
State planning
NT Comprehensive urban county plan
County planning
Metropolitan area planning
Metropolitan planning
Town planning region
RT Highway planning
Land surveying
Land zoning
Public utilities
Regional cities
Regional planning agencies
Regional planning legislation
Urban geography
Urban relocation

REGIONAL PLANNING AGENCIES
RT City planning
Planning
Planning commissions
Regional planning

REGIONAL PLANNING LEGISLATION
BT Legislation
RT Law
Legislation
Regional planning

REGIONAL SHOPPING CENTERS
BT Business districts
Land use
NT Suburban business centers
RT Retail trades

REGIONAL TRADE
RT Regional economic growth

REGIONALISM
NT Azonal factors
Dominant regional metropolises
RT Regional metropolises
Regions

REGIONS
BT Geographic concepts
Geographic relationships
Geography
Spatial location
NT Agricultural regions
Climatic zones
Coastal zones
Cold regions
Contiguous regions
Corn belt
Cultural regions
Drainage districts
Flood plains
Formal regions
Functional regions
Generic regions
Geographic regions
Geographical regions
Grasslands
Hinterland
Humid areas
Manufacturing regions
Megalopolises
Morphological regions
Natural regions
Nodal regions
Overlapping regions
Pasture
Public utility districts
Regional centers
River basins
Rural areas
Small watersheds
Spatial location
Specific regions
Stranded areas
Subareas
Urban metropolitan region
Urban regions
RT Fjords
Political aspects
(Continued)

REGIONS (Continued)
RT Regional analysis
Regional economics
Regional development
Regional flood
Regionalism
Soil groups
Subtropic
Temperate
Terrain analysis
Valleys
Wetlands

REGROWTH (VEGETATION)
USE VEGETATION REGROWTH

REGULATED FLOW
BT Channel flow
Flow
Fluid flow
Movement
River flow
Streamflow

REGULATION
NT Flow augmentation
River regulation
River training
Voltage regulation
RT Control
Non-structural alternatives
Operations
Patents
Reservoir capacity
Reservoir operations
River flow
Valves

REGULATION OF PRICES
USE PRICE REGULATION

REGULATION OF RENT
USE RENT CONTROL

REGULATIONS
NT Flood plain zoning
Traffic
Traffic regulations
Water zoning
Well regulations
Zoning
RT Depreciation
Laws
(Continued)

REGULATIONS (Continued)
RT Leases
Licenses
Pollution
Taxes

REHABILITATION
UF Neighborhood rehabilitation
Urban renewal
RT Property improvement

REHABILITATION (HOUSES)
USE HOUSES - MAINTENANCE AND MODERNIZATION

REINFORCED CONCRETE
BT Building materials
Concretes
Construction materials
Materials

REINFORCED CONCRETE, CONSTRUCTION
USE CONCRETE, REINFORCED

REINFORCING
USE REINFORCEMENT

REINFORCING MATERIALS
BT Construction materials
Materials
NT Reinforcing steels

REINFORCING STEELS
BT Construction materials
Materials
Metals
Reinforcing materials
Steel

REINFORCEMENT
UF Reinforcing
RT Construction materials
Stability
Stabilization

REJECTION
RT Electric power plants
Elimination

REJUVENATED HOMES
BT Renewal

RELATED COMMUNITY DEVELOPMENT
BT City development

RELATIVE DENSITY
UF Density (mass/volume)
BT Density

RELAXATION (MECHANICS)
NT Structural relaxation

RELAXATION (STRUCTURAL)
USE STRUCTURAL RELAXATION

RELEASE
USE DISCHARGE (WATER)

RELEASE (TREES)
USE THINNING (TREES)

RELIABILITY
RT Consistency
Design
Durability
Forecasting
Maintenance
Productivity
Quality control
Safety
Sampling
Stability
Standards
Statistical analysis

RELICT LAND FORMS
BT Land forms
Topographic features
NT Inselbergs
RT Climatic change
Denudation
Erosion
Paleoclimatology
Pediments
Weathering

RELICT VEGETATION
BT Land succession
Vegetation
RT Climatic change

RELIEF
UF Topography
BT Landscape

RELOCATABLE HOUSES
USE DEMOUNTABLE HOUSES

RELOCATION
UF Tenant relocation
BT Location theory
NT Highway relocation
Railroad relocation
Urban relocation
RT Federal housing programs
Population shifts
Political aspects
Sites
Slum clearance
Urban renewal

REMODELING (BUILDINGS)
USE DEPRECIATION AND OBSOLESCENCE (BUILDINGS)

REMODELING (HOUSES)
USE HOUSES - MAINTENANCE AND MODERNIZATION

REMOTE CONTROL SYSTEMS
USE CONTROL EQUIPMENT

REMOTE SENSING
UF Aerial reconnaissance
Aerial sensing
BT Analytical techniques
RT Aerial photography

REMOVAL
NT Snow removal
RT Clearing
Disposal

RENAISSANCE CITIES
NT Utopian uniformity of cities

RENDZINA SOILS
BT Intrazonal soils

RENEGOTIATION OF GOVERNMENT CONTRACTS
USE FEDERAL CONTRACTS

RENEWAL
NT Mid city urban renewal
Rejuvenated homes
Rennovation
Steep slope renewal
RT Neighborhood conservation

RENEWAL AREAS
BT Developments
Urban renewal
RT Land

RENT
UF Renting
NT Ground rent
High rent neighborhoods
RT Leases
Rent (economic
Tenancy
Tenant associations

RENT CONTROL
UF Regulation of rent
BT Government regulations
RT Landlord
Rental housing

RENT (ECONOMIC)
RT Rent

RENT SUBSIDIES
UF Government assisted housing
Housing subsidies
Rent supplement
RT Housing
Rental housing

RENT SUPPLEMENT
USE RENT SUBSIDIES

RENTAL
USE RENTING

RENTAL HOUSING
UF Leased housing
RT Tenant associations
Tenant selection
Rent control
Rent subsidies

RENTAL HOUSING
UF Housing subsidies
Leased housing
RT Apartment houses
Economics
Housing
Real property
Rents
Public housing
Rent control
Rent subsidies
Tenant selection

RENTING
UF Leasing
Rental
RT Leases
Costs
Economic rent

REOXYGENATION
USE REAERATION

REPACKAGING
USE PACKAGING

REPAIR (HOUSES)
USE HOUSES - MAINTENANCE AND MODERNIZATION

REPELLENTS
RT Insecticides

REPLANNED TOWNS
BT Types of cities

REPLENISHMENT
RT Acquisition
Filling
Input
Inventory control
Materials replacement
Purchasing
Raw materials
Supplying

REPORTS
BT Documentation
RT Communication
Data collections
Publications
Records
Technical papers
Technical writing

REPRODUCTION
UF Generation
RT Eggs
Life history
NT Alternation of generations
Asexual reproduction
Cell division
Heterogamy
Heterogenesis
Homogenesis
Parthenogenesis
Plant reproduction
RT Fish hatcheries
(Continued)

REPRODUCTION (Continued)
RT Fertility
Flowering
Pollen
Seeds
Sterilants

REPTILES
UF Lizards
BT Vertebrates
NT Turtles

REQUIREMENTS
UF Needs
NT Water requirements
RT electric power demand
Planning
Water demand

REREGULATION
NT Flow augmentation
Low flow augmentation
River regulation
RT Reservoir capacity
Reservoir operation
River flow

RESEARCH
UF Scientific research
NT Agricultural research
Consumer research
Economic research
Government research
High-termperature research
Low-temperature research
Marketing research
Motivation research
Resource development
Wood utilization research
RT Laboratories
Innovation
Management planning
Systems engineering
Universities and colleges-research
Urban research
Vivisection

RESEARCH AREAS
RT Ungrazed

RESEARCH EQUIPMENT
BT Equipment
RT Computers
Instrumentation

RESEARCH FACILITIES
BT Facilities
RT Research equipment

RESEARCH SERVICES OF COLLEGES AND UNIVERSITIES TO NEIGHBORING COMMUNITIES
USE UNIVERSITIES AND COLLEGES - RESEARCH SERVICES

RESERVATION DOCTRINE
RT Federal reservations
Jurisdiction
Water rights

RESERVE BATTERIES
UF Ammonia batteries
BT Electric batteries
Primary batteries
NT Water activated batteries

RESERVED LANDS
USE FEDERAL RESERVATIONS

RESERVES
RT Estimates
Exploration
Forecasting
Fossil fuel deposits
Inventories
Mines (excavations)
Natural gas
Wells

RESERVOIR CAPACITY
RT Regulation
Reregulation
Reservoir clearing
Reservoir design
Reservoir operation
Reservoirs
Reservoir storage
Reservoir surveys
Water management (applied)

RESERVOIR CLEARING
BT Clearing
RT Reservoir capacity
(Continued)

RESERVOIR CLEARING (Continued)
RT Reservoir construction
Reservoir design
Reservoirs
Reservoirs sitting
Reservoir sites
Reservoir storage
Reservoir surveys

RESERVOIR CONSTRUCTION
BT Construction
RT Reservoir clearing
Reservoir design
Reservoirs
Reservoir sites

RESERVOIR DESIGN
BT Design
RT Reservoir capacity
Reservoir clearing
Reservoir construction
Reservoir evaporation
Reservoir leakage
Reservor operation
Reservoirs
Reservoirs sitting
Reservoir sites
Reservoir storage
Reservoir surveys

RESERVOIR ENGINEERING
RT Diffusivity
Water drive
Wells

RESERVOIR EVAPORATION
BT Evaporation
RT Reservoir design
Reservoir operation
Reservoirs

RESERVOIR FISHERIES
BT Fishers
RT Reservoirs

RESERVOIR FLUIDS
RT Crude oil
Water

RESERVOIR LEAKAGE
BT Leakage
RT Reservoir design
Reservoirs

RESERVOIR MANAGEMENT
USE RESERVOIR OPERATION

RESERVOIR OPERATION
UF Reservoir management
BT Operations
RT Electric power
Flood control
Irrigation water
Pumped storage
Regulation
Reservoir capacity
Reservoir design
Reservoir evaporation
Reservoirs
Reservoir storage
Reservoir yield
River forecasting
Safety
Water allocation (policy)
Water control
Water costs
Water distribution (applied)
Water level fluctuations
Water shortage
Water supply

RESERVOIR PERFORMANCE
RT Conservation

RESERVOIR RELEASES
RT Water dilution

RESERVOIR SILTING
BT Silting
RT Reservoir clearing
Reservoir design
Reservoirs
Reservoir surveys
Sediment concentration

RESERVOIR SITES
BT Sites
RT Reservoir clearing
Reservoir construction
Reservoir design
Reservoirs
Reservoir surveys

RESERVOIR STAGES
UF Stages (reservoir)
NT Late impoundment
(Continued)

RESERVOIR STAGES (Continued)
NT Post impoundment
RT Ecosystems
Lake stages
Reservoirs

RESERVOIR STORAGE
UF Storage reservoirs
BT Storage
Water storage
RT Reservoir capacity
Reservoir clearing
Reservoir design
Reservoir operation
Reservoirs
Reservoir surveys

RESERVOIR SURVEYS
BT Surveys
RT Reservoir capacity
Reservoir clearing
Reservoir design
Reservoirs
Reservoir silting
Reservoir sites
Reservoir storage

RESERVOIR YIELD
BT Water yield
RT Reservoir operation
Reservoirs

RESERVOIRS
UF Detention reservoirs
Equalizing reservoirs
Pondage
BT Bodies of water
Impoundments
Standing waters
Surface waters
Water
NT Farm ponds
Multiple purpose reservoirs
RT Catchments
Drawdown
Electric power
Backwater
Flood control
Flood routing
Gas reservoirs
Hydraulic engineering
Impounded waters
Inflow
(Continued)

RESERVOIRS (Continued)
RT Irrigation water
Lagoons (ponds)
Lakes
Limnology
Ponds
Post-impoundment
Pumped storage
Recreation facilities
Reservoir capacity
Reservoir clearing
Reservoir construction
Reservoir design
Reservoir evaporation
Reservoir fisheries
Reservoir leakage
Reservoir operation
Reservoir silting
Reservoir sites
Reservoir stages
Reservoir storage
Reservoir surveys
Reservoir yield
Routing
Seepage
Sedimentation rates
Silting
Stock water
Storage
Stratification
Tanks (containers)
Turnovers
Underground water storage
Water levels
Water surface
Water sources
Water tanks
Wildlife conservation
Withdrawal

RESERVOIRS (OIL)
USE OIL RESERVOIRS

RESETTLEMENT
USE LAND SETTLEMENT
SUBSISTENCE HOMESTEADS

RESIDENCES
UF Built up land
Living areas
Residential buildings
Houses
(Continued)

RESIDENCES (Continued)
BT Buildings
Engineering structures
Urban morphology
NT Buildings
Group quarters
Neighborhoods
RT Attached housing
Relocation
Residence hall planning
Residential mobility
Urban residential patterns

RESIDENTIAL AREAS
BT Community types
Land
Urban area classification
NT High grade residential areas
Home sites
Residential square design
Town house street
Two family areas
RT Built upland
Housing
Living areas
Negro residential areas
Residential patterns

RESIDENTIAL BUILDINGS
UF Dwellings
Housing
Housing projects
Residences
NT Hotels
Houses
Motels

RESIDENTIAL DENSITY
UF Population density
BT Density

RESIDENTIAL DEVELOPMENT
BT Residential land uses
Urban development
NT Model houses
RT Residential space

RESIDENTIAL DEVELOPMENT PATTERNS
BT Spatial analysis

RESIDENTIAL DISTRICTS
BT Neighborhoods
Urban area classification
Urban areas
RT Urban fields

RESIDENTIAL DEVELOPMENT
BT Residential land uses
Urban development
NT Model houses
RT Residential space

RESIDENTIAL HOUSING
NT Subdivisions

RESIDENTIAL LAND DEVELOPMENT
BT Spatial analysis

RESIDENTIAL LAND USE
USE LAND USE
RESIDENTIAL BUILDINGS

RESIDENTIAL LAND USES
UF Residential space
BT Land use
NT Residential development

RESIDENTIAL LAND VALUES
BT Land values
RT Living areas

RESIDENTIAL LIGHTING
BT Illuminating
RT Electric lighting

RESIDENTIAL LOCATION
BT Location

RESIDENTIAL MOBILITY
UF Population shifts
BT Mobility

RESIDENTIAL REHABILITATION
BT Urban renewal

RESIDENTIAL RELOCATION
BT Urban redevelopment

RESIDENTIAL RENEWAL
BT Urban renewal

RESIDENTIAL SPACE
USE RESIDENTIAL LAND USES

RESIDENTIAL STRUCTURES
NT Owner-built houses

RESIDENTIAL SUBURBS
BT Metropolitan areas
Spatial patterns
Suburbs

RESIDUAL SOILS
BT Earth materials
Soils
UF Sedimentary soils

RESIDUES
RT Ashes
Plant residues (organic)
Wastes

RESINS
UF Ion exchange resins
Synthetic resins
BT Forest products
NT Acaroid resions
Ammoniacum
Copals
Damars
Gamboge
Guaiacum (resin)
Mastic
Myrrh
Aleoresins
Alibanum
RT Gums
Pitch
Shellac
Varnishes

RESISTANCE
NT Drought resistance
Electrical resistance
Sliding resistance
Tolerances (plant)
RT Aging (physical)
Energy losses
Flow around objects
Persistence
Salt tolerance
Stability

RESISTANCE COEFFICIENTS
RT Energy losses

RESISTIVITY
BT Electrical properties
Physical properties
NT Earth resistivity (electrical)
Soil resistivity
RT Electrical impedance
Electrical resistance
Electrical studies

RESORT CENTERS
BT Resorts

RESORT TOWNS
BT Economic base theory
Reports
Types of cities
RT Recreation

RESORTS
NT Condominium resort
Resort centers
Resort towns

RESOURCE ALLOCATION
RT Regional economics

RESOURCE CONSERVATION
BT Conservation
NT Fish conservation
Soil conservation
Water conservation
Wildlife conservation
RT Grassed waterways
Land management
Land reclamation
Land resources
Pasture management
Preservation
Ranges
Riparian plants
Scenery
Water resources development

RESOURCE DEVELOPMENT
BT Research and development
NT Land development
Water resources development
RT Political aspects

RESOURCE PLANNING
RT Land utilization

RESOURCES
UF Military requirements
RT Food supply
Personnel
Water resources development
Water supply
NT Human resources
Hydroelectric resources
Land resources
Natural resources
Water resources

RESPIRATION
RT Turgidity

RESTING PERIOD
RT Phenology
Seasonal

RESTORATION
BT Historic sites

RESTRICTIVE COVENANTS
USE DEEDS
Deed Restrictions

RETAIL CITIES
BT Economic base theory
Types of cities
RT Retailing

RETAIL DECENTRALIZATION
BT Economic analysis
Retailing
RT Retail trades

RETAIL MARKETING
BT Marketing
RT Chain stores
Supermarkets
Trading stamps

RETAIL STORES
UF Commercial areas
Store location
Stores, retail
Retail trade
BT Commerce
RT Business districts
Shopping centers

RETAIL TRADE
USE RETAIL STORES

RETAIL TRADES
BT Commercial activities
NT Controlled shopping center
Suburban shopping areas
Supermarkets
RT Journey to shop
Regional shopping centers
Retail decentralization
Shopping centers
Shopping street

RETAIL TRAINING
USE DISTRIBUTIVE EDUCATION

RETAILING
NT Department stores
Front foot volume of sales
Furniture stores
Law of retail trade gravitation
Markets
Outlying shopping centers
Retail decentralization
Shopping centers
Shopping district
Specialized shopping
Supermarkets
RT Chain stores
Community shopping centers
Drug stores
Filling stations
Market
Marketability
Retail areas
Retail cities
Retail structures
Shop rent index
Stores

RETAINING WALLS
RT Dikes
Buttresses
Sea walls
Sheeting
Stream improvement

RETENTION
RT Capillary action
Field capacity
Ground water
(Continued)

RETENTION (Continued)
RT Infiltration
Soil moisture
Water storage
Wilting point

RETARDING AGENTS
RT Soil treatment

RETENTION DAMS
BT dams

RETIREMENT
USE OLD AGE

RETIREMENT HOUSING COMMUNITY
BT Types of communities

RETIREMENT TOWNS
BT Types of cities
RT Economic base

RETIREMENT VILLAGE
BT Community types

RETURN FLOW
UF Irrigation waste water
Return water
Waste water (irrigation)
BT Flow
Fluid flow
Irrigation water
Movement
Water
Water types
NT Diversion loss returns
RT Consumptive use
Consumptive use (water)
Diversion of loss returns
Duty of water
Furrow irrigation
Ground water
Dates of application
Oxidation lagoons
Rates of application
Recirculating irrigation system
Seepage
Streamflow
Surface irrigation
Water loss
Water pollution sources
Water reuse
Water salvage
Water sources

RETURN FLOW (WATER)
USE IRRIGATION EFFICIENCY

RETURN WATER
USE RETURN FLOW

REUSE APPRAISALS
RT Urban renewal

REVAPORIZATION
USE VAPORIZING

REVEGETATION
NT Reforestation
RT Range management
Vegetation
Vegetation establishment
Vegetation regrowth

REVENUE
RT Assets
Governments
Taxes

REVENUE BONDS
USE MUNICIPAL BONDS

REVENUE EXPENDITURES
NT Revenues

REVENUES
BT Revenue expenditures
NT Administrative revenues
Earmarked revenues
Local government fund
Marginal revenue
Property taxes
Sales taxes
Surplus revenues
Tax revenues
Taxation

REVERSE OSMOSIS
BT Chemical properties
Diffusion
Membrane processes
Osmosis
Separation
Separation techniques
Transport phenomena

REVETMENTS
RT Abutments
(Continued)

REVETMENTS (Continued)
RT Aprons
Bank erosion
Bank protection
Banks
Bank stabilization
Breakwaters
Bulkheads
Channel erosion
Channel protection
Dams
Dikes
Embankments
Erosion control
Gabions
Levees
Reinforcement
Retaining walls
Riprap
Rivers
River training
Sea walls
Sheet piling
Shore protection
Slabs
Slope protection
Slope stabilization
Stream improvement
Streams
Stream stabilization
Wave run-up

REVIEWS
RT Data collections
Information retrieval

REZONING
BT Zoning

RHENIUM
BT Metals
Refractory materials
Refractory metals
Transition metals
RT Rhenium isotopes

RHIZIC WATER
USE SOIL MOISTURE

RHIZOPHERE
RT Ecology
Forestry
Forest soils
(Continued)

RHIZOSPHERE (Continued)
RT Microenvironment
Nitrogen fixing bacteria
Plant growth substances
Root development
Root zone
Soil bacteria
Soil environment
Soil fungi
Soil microbiology
Soil microorganisms

RHODIUM
BT Metals
Precious metals
Transition metals
RT Rhodium isotopes

RIBBON DEVELOPMENT
BT Urban development
RT Urban growth

RICE
UF Oryza sativa
BT Agronomic crops
Cereal crops
Crops
Field crops
Grasses
Monocots
Plants (botany)
RT Aquatic soils
Aquatic weeds
Fish farming
Grains (crops)
Rooted aquatic plants

RICE-FISH VARIATIONS
USE FISH FARMING

RIFT VALLEYS
BT Topographic features
RT Faults (geology)
Graben (geology)
Land forms
Submarine topographic fatures
Subsidence
Tectonics

RIGHT-OF-WAY
RT Agreements
Easements
(Continued)

RIGHT-OF-WAY
- RT Field investigations
- Land
- Public rights
- Railroad relocation
- Road planning
- Surveying
- Surveys

RIGHT-OF-WAY ACQUISITION
- UF Easements
- BT Acquisition
- RT Eminent domain
- Land titles

RIGID BOUNDARIES
- UF Fixed boundaries
- BT Boundaries (surfaces)
- RT Boundary layer
- Rigid foundations
- Rigid pavements

RIGID FOUNDATIONS
- RT Rigid boundaries

RIGID LININGS
- BT Linings

RIGID PAVEMENTS
- RT Rigid boundaries
- Runways

RIGID TUBING
- BT Closed conduits
- Conduits
- Tubes
- NT Capillary tubes

RIME
- BT Ice

RIPARIAN LAND
- UF Littoral proprietorship
- RT Banks
- Riparian rights
- Severence

RIPARIAN PLANTS
- RT Amphibious plants
- Banks
- Conservation
- Evapotranspiration
- Phreatophytes
- (Continued)

RIPARIAN PLANTS (Continued)
- RT Resource conservation
- Rooted aquatic plants
- Weed control
- Weeds
- Wildlife management

RIPARIAN RIGHTS
- UF Water laws
- Water rights
- BT Water rights
- NT Natural flow doctrine
- RT Banks
- Civil law
- Hydraulic mining water
- Irrigation water
- Laws
- Legal aspects
- Mill dams
- Obstruction to flow
- Ownership of beds
- Prior appropriation
- Reasonable use
- Recreation
- Riparian land
- Riparian waters
- Stock water
- Waste disposal
- Water law
- Water pollution
- Water utilization
- Watersheds (divides)
- Wildlife conservation

RIPARIAN VEGETATION
- NT Pluchea
- RT Aquatic communities
- Atriplex
- Brush control
- Consumptive use
- Evapotranspiration
- Flood control
- Phreatophytes
- Populus
- Prosopis
- Salix
- Tamarix
- Transportation
- Weed control

RIPARIAN WATER LOSS
- BT Losses
- Water loss
- (Continued)

RIPARIAN WATER LOSS (Continued)
RT Banks
Beds
Evaporation
Evapotranspiration
Seepage

RIPARIAN WATERS
RT Riparian rights

RIPPLES
USE WAVES (WATER)

RIPRAP
BT Construction materials
RT Aprons
Armoring (streambed)
Bank protection
Banks
Bank stabilization
Bedding materials
Blankets
Breakwaters
Channel improvements
Channel protection
Cobbles
Crushed stone
Dam facings
Earth dams
Embankments
Engineering structures
Erosion control
Freeze-thaw tests
Linings
Plunge basins
Quarries
Reinforcement
Revetments
River training
Rock blankets
Rocks
Rubble
Selected materials
Shore protection
Slope protection
Slope stabilization
Stones
Stream stabilization
Wave action
Wave run-up

RIVER BANK PROTECTION
USE BANK PROTECTION

RIVER BASIN COMMISSIONS
RT Interstate commissions
River basin development
River basins

RIVER BASIN DEVELOPMENT
UF Basin-wide development
River basin planning
RT Irrigation
Optimum development plans
Planning
Public utilities
Recreation facilities
River basin commissions
Transportation
Utilities
Water resources

RIVER BASINS
BT Land forms
Regions
Watersheds
Watersheds (basins)
RT Basins
Drainage
Hydrology
Physical geography
River basin commissions
Precipitation (atmospheric)
Runoff
Streamflow
Surface water runoff
Surface waters
Valleys
Water table

RIVER BASIN PLANNING
USE RIVER BASIN DEVELOPMENT

RIVER BEDS
BT Beds
Land forms
Streambeds
RT Banks
Channels
Rivers
Sediments

RIVER CHANNELS
USE STREAM CHANNELS

RIVER CLOSURES
RT Construction
Dams
Rivers

RIVER CONFLUENCE TOWNS
BT Cities
Types of towns

RIVER CROSSING TOWNS
BT Types of towns
RT Transportation

RIVER CURRENTS
UF Currents (rivers)
BT Flow
Management
RT Fluid flow
Hydrology
Runoff
Streamflow
Rivers
Streams

RIVER FLOW
BT Channel flow
Flow
Fluid flow
Movement
Streamflow
NT Low flow
Natural flow
Regulated flow
RT Flood plains
Floods
Flow duration
Flow patterns
Hydraulics
Regulation
Reregulation
River forecasting
Rivers
Runoff
Water stage recorders

RIVER FORECASTING
BT Forecasting
Water supply forecasting
RT Precipitation (atmospheric)
Rainfall
Reservoir operation
River flow
River regulation
Rivers
Runoff
Warning systems

RIVER HYDRAULICS
USE OPEN CHANNEL FLOW

RIVER MEANDERING
USE STREAM MEANDERING

RIVER POLLUTION
USE STREAM POLLUTION

RIVER REGULATION
UF River training
BT Regulation
Reregulation
NT River training
RT Dams
Flood control
Flood forecasting
Hydraulic engineering
Hydrographs
Hydrology
Levees
River forecasting
Rivers
Runoff
Water control

RIVER SYSTEMS
RT Drainage systems
Fluvial morphology
Rivers
Watersheds (basins)

RIVER TOWNS
BT Types of towns

RIVER TRAFFIC
USE WATER TRANSPORTATION

RIVER TRAINING
UF River regulation
BT River regulation
Regulation

RIVER TRANSPORTATION
USE WATERWAY TRANSPORTATION
WATER TRANSPORTATION

RIVER VALLEY
USE STREAM VALLEY

RIVERS
UF Potamology
BT Bodies of water
(Continued)

RIVERS (Continued)
BT Land forms
Running waters
Streams
Surface waters
Water
Waterways
NT Interstate rivers
Natural streams
Navigable rivers
Wild rivers
RT Banks
Estuaries
Flood plains
Fluvial morphology
Ground water hydrology
Harbors
Headwaters
Ice breakup
Ice jams
Inflow
Inland waterways
Large watersheds
Meanders
River beds
River closures
River currents
River flow
River forecasting
River regulation
River systems
Runoff
Valleys
Water resources
Watersheds (basins)
Water surface profiles
Water surface
Water plans
Stream channels
Tributaries

RIVERSIDE TOWNS
BT Types of towns

RIVERINE MINES
RT Shallow water mines

ROAD CONSTRUCTION
UF Highway construction
RT Concrete construction
Highways
Traffic safety

ROAD CONSTRUCTION
UF Highway construction
Pavements
Roads
BT Construction
RT Concrete construction
Construction control
Earth handling equipment
Excavation
Fills
Grading (earthwork)
Highways
Pavements
Roads
Surfacing

ROAD DESIGN
BT Design
RT Concretes
Construction materials
Curves
Fills
Highways
Pavements
Roads

ROAD JUNCTIONS
BT Highways

ROAD LIGHTING
USE HIGHWAY LIGHTING

ROAD METAL
RT Highways

ROAD PLANNING
BT Planning
NT Federal impact areas
RT Highways
Right-of-way

ROAD SURFACING
USE PAVING

ROADBANKS
BT Embankments
RT Banks
Earthworks
Erosion control
Fills
Grading (earthwork)
Highways
Roads
(Continued)

ROADBANKS (Continued)
    RT  Slopes
        Slope stability
        Turf grasses
        Vegetation establishment

ROADS
    UF  Local roads
        Roadways
    NT  Arterial route
        Arterial streets
        Belt highways
        Boulevard
        Crossroads
        Frontage roads
        Freeway interchanges
        Highways
        Innerbelt
        Interstate highway bypasses
        Limited access highways
        Loop streets
        Major street plan
        Major thoroughfare plan
        Motor roads
        Parkways
        Scenic highways
        Streets
        Self isolated streets
        Toll roads
        Thruways
        Traffic ways
        Turnpikes
        Thoroughfares
        Urban freeways
        Underground highways
        Wasteful streets
    RT  Base courses
        Bridge decks
        Dam crests
        Embankments
        Highway bridges
        Highway engineering
        Landscaping
        Pavements
        Roadbanks
        Scenery
        Snow removal
        Vegetation establishment
        Washouts
        Paving
        Road construction
        Road design
        Public improvements
        Radiating streets
        Thoroughfare planning
        Urbanization

ROADS
    USE ROAD CONSTRUCTION

ROADSIDE SLUMS
    BT  Slums

ROADSIDE IMPROVEMENT
    BT  Urban amenities

ROADSIDES
    BT  Highways

ROADWAY LIGHTING
    USE HIGHWAY LIGHTING

ROADWAYS
    USE ROADS

ROBINIA PSEUDOACACIA
    USE BLACK LOCUST TREES

ROCK BLANKETS
    BT  Pervious blankets

ROCK BOLTS
    RT  In situ rock
        Tunnel construction
        Tunneling
        Underground power plants
        Underground structures

ROCK DENSITY
    BT  Density

ROCK EXCAVATION
    BT  Excavation

ROCK FLOUR
    BT  Earth materials
        Fine-textured soils

ROCK FILLS
    BT  Fills
    RT  Construction
        Earth dams
        Earthfill
        Rocks

ROCK MECHANICS
    RT  Excavation
        Geology
        In situ rock

ROCK SAUSAGES
USE GABIONS

ROCKFILL DAMS
BT Dams
Earthworks
RT Earth dams
Embankments
Fills
Rocks

ROCKSLIDES
BT Earth movements
Landslides

ROCKS
NT Acidic rocks
Bedrock
Calcareous rocks
Carbonate rocks
Coal
Conglomerate rocks
Crystalline rocks
Igneous rocks
In situ rocks
Lava
Lignite
Metamorphic rocks
Mudstone
Oil shale
Perlite
Quartzite
Sandstone
Sedimentary rocks
Shales
Volcanic rocks
Elastic rocks
Anthracite
Bituminous coal
Shale
RT Dam facings
Folds (geology)
Geologic deposits
Geologic formations
Outcrops
Petrology
Rockfill dams
Rock fills
Rubble
Formations
Stratigraphy

RODENTICIDES
BT Chemicals
Pesticides
Poisons

RODENTS
UF Beavers
Muskrats
BT Eutheria
Mammals
Unguiculata
Vertebrates
NT Guinea pigs
Hamsters
Mice
Rats
Squirrels
RT Rodent control
BT Animals
Small animals (mammals)

ROOT PARASITES
USE PARASITIC PLANTS

ROOT ZONE
RT Moisture availability
Phreatophytes
Roots
Soil moisture
Soil-water-plant relationships
Wilting point

ROOTED AQUATIC PLANTS
BT Aquatic life
Aquatic plants
Plants (botany)
NT Amphibious plants
Bulrush
Cattails
Sago pondweed
Widgeon grass
Wild rice
RT Riparian plants

ROOTS
RT Plant growth
Plant morphology
Plant physiology
Root zone
Soil-water-plant relationships

ROTARY DRILLING
BT Drilling

ROTARY DRILLING RIGS
RT Sand lines

ROTARY PUMPS
RT Pumping

ROTATING MACHINES
NT Electric generators
Electric motors
Hydraulic turbines
Pumps

ROTATION
NT Earth rotation
RT Circulation
Erosion control
Gyration
Irrigation practices

ROTATION (CROPS)
USE CROP ROTATION

ROTATION GRAZING
USE GRAZING

ROTS
BT Plant diseases

ROUGHNESS
NT Bed roughness
RT Surface properties

ROUGHNESS (HYDRAULIC)
UF Channel roughness
Hydraulic roughness
BT Physical properties
RT Abrasion
Beds
Channel flow
Channels
Chezy equation
Compaction
Energy losses
Flow resistance
Fluid friction
Friction
Head loss
Hydraulic design
Hydraulics
Hydrostatic pressure
Mannings equation
Open channels
Pressure
(Continued)

ROUGHNESS (HYDRAULIC) (Continued)
RT Resistance
Retardance
Rigidity
Roughness coefficient

ROUTE SURVEYS
BT Plane surveys

ROUTES
RT Bus lines

ROUTING
UF Streamflow routing
BT Water management (applied)
NT Flood routing
RT Bypasses
Canals
Channels
Circulation
Discharge (water)
Distribution
Forecasting
Hydrography
Inflow
Inland waterways
Reservoirs
Runoff
Streamflow
Streamflow depletion
Streamflow forecasting
Water control

ROW HOUSES
UF Attached housing

RUBBER
BT Building materials
Construction materials
Elastomers
Materials

RUBBLE
RT Aggregates
Refuse
Rocks

RUBBLE MASONRY
BT Masonry

RUMINANTS
BT Animals
Mammals
(Continued)

RUMINANTS (Continued)
NT Beef cattle
Cattle
Dairy cattle
Deer
Goats
Sheep
RT Livestock

RUN DOWN NEIGHBORHOODS
BT Blight

RUNNING WATERS
BT Bodies of water
NT Running water
Perennial streams
Acid streams
Alluvial streams
Cold springs
Ephemeral streams
Hot springs
Interstate rivers
Lake bottom springs
Natural springs
Non-perennial streams
Perennial streams
Rivers
Springs (water)
Streams
Thermal springs
Tributaries
Warm springs
Wild rivers
RT Erosion
Standing waters
Stream erosion
Suspended sediments
Suspended solids

RUNOFF
NT Overland flow
Peak runoff
Storm runoff
Surface runoff
Subsurface runoff
Surface water runoff
RT Depth-area-duration analysis
Excess water (soils)
Flood control
Flood forecasting
Flood hydrographs
Flood peaks
Flood routing
(Continued)

RUNOFF (Continued)
RT Flow duration
Flow duration curves
Ground water movement
Infiltration
Interluves
Karst
Large watersheds
Leaching
Rainfall intensity
Rainfall runoff relationships
Recirculating irrigation system
River basin
River currents
River flow
River forecasting
River regulation
Rivers
Routing
Runoff coefficient
Runoff forecasting
Surface waters
Water sources
Water harvesting
Water flow
Water yield improvement
Water balance
Water conservation
Water yield
Safe yield
Snow melt
Snow management
Snow
Suspended solids
Suspended sediments
Streamflow forecasting
Streamflow depletion
Streamflow
Soil erosion
Soil conservation
Terracing
Vegetation effects

RUNOFF COEFFICIENT
BT Coefficients
RT Precipitation intensity
Runoff
Watersheds (basins)

RUNOFF FORECASTING
UF Flow forecasting
Runoff predicting
BT Forecasting
Water supply forecasting
RT Precipitation intensity
Runoff
Slopes

RUNS
USE STREAMS

RUNWAYS
RT Aircraft
Pavements
Rigid pavements

RUPPIA MARITIMA
USE DITCH GRASS

RUPTURE (DAMS)
USE DAM FAILURE

RURAL AREAS
BT Regions
NT Urban rural areas
RT Rural environment
Rural planning
Rural population
Rural renewal

RURAL ASPIRATIONS
USE RURAL VALUES

RURAL CLASSES
USE RURAL SOCIAL STRUCTURE

RURAL COMMUNITIES
BT Communities
NT Villages

RURAL ELECTRIFICATION
RT Electric power
Farms
Transmission (electrical)
Transmission lines

RURAL EXTENSION
BT Extension education

RURAL ENVIRONMENT
BT Environment
RT Rural areas
Rural youth

RURAL EXODUS
USE RURAL POPULATION MIGRATION

RURAL FORMS
BT Rural land use

RURAL GOALS
USE RURAL VALUES

RURAL GOVERNMENT
USE LOCAL GOVERNMENT

RURAL HOUSING
USE FARM HOUSING

RURAL IDEOLOGY
USE RURAL VALUES

RURAL LAND USE
NT Rural farms
Rural nonfarms

RURAL LANDSCAPE
BT Landscape

RURAL LIFE
UF County life
Farm life
RT Rural values

RURAL MIGRATION
USE RURAL POPULATION MIGRATION

RURAL NONFARMS
BT Rural land use

RURAL ORGANIZATIONS
UF Farm groups
Farmers' movements
Farmers' organizations
BT Organizations
NT Agricultural organizations
4-H clubs

RURAL PLANNING
UF Agricultural planning
BT Planning
NT Open land planning
RT Rural areas

RURAL POPULATION
UF Farm population
BT Population
RT Rural areas

RURAL POPULATION MIGRATION
UF Farm exodus
Rural exodus
Rural migration
Rural-urban migration
BT Population migration
RT Rural social mobility

RURAL PROBLEMS
RT Urban rural problems

RURAL RENEWAL
RT Agriculture
Rural areas
Rural urban fringe
Urban renewal

RURAL SETTLEMENTS
NT Rural urban continuim
Rural urban fringe

RURAL SOCIAL STRUCTURE
UF Rural classes
Rural stratification
BT Social structure

RURAL SOCIETY
NT Agrarianism

RURAL SOCIOLOGY
BT Social aspects
Social sciences
Sociology
RT Agricultural economics
Urban sociology

RURAL STRATIFICATION
USE RURAL SOCIAL STRUCTURE

RURAL URBAN CONTINUIM
BT Rural settlements

RURAL URBAN DIFFERENCES
UF Urban rural differences
BT Social influences
RT Rural areas
Rural population
Urban areas
Urban language
Urban population

RURAL URBAN FRINGE
RT Urban rural conflicts
Rural renewal
BT Rural settlements

RURAL URBAN FRINGE AREAS
USE FRINGE AREAS

RURAL-URBAN MIGRATION
USE RURAL POPULATION MIGRATION

RURAL URBAN RELATIONSHIPS
NT Fringe areas

RURAL VALUES
UF Rural aspirations
Rural goals
Rural ideology
BT Social values
RT Rural life

RURAL YOUTH
BT Youth
RT Rural environment

RURAL ZONING
UF Land zoning
RT Zoning

RUSTS (FUNGI)
BT Plant diseases

RUTHENIUM
BT Metals
Precious metals
Transition metals
RT Ruthenium isotopes

SAFE YIELD
UF Yield (safe)
RT Aquifers
Depletion
Forecasting
Ground water
Hydrographs
Pumping
Rates
Runoff
Streamflow
Water yield

SAFETY
UF Accidents
Accident prevention
NT Fire prevention
Fire protection
Fire safety
RT Accident prevention
Accidents
Avalanches
Blasts
Detectors
Disasters
Environmental engineering
Fires
Hazards
Health
Mines
Recreation
Reliability
Reservoir operation
Safety factors
Shelters
Storage
Toxicity
Ventilation

SAFETY DEVICES
NT Fire alarm systems
Fire extinguishers
Respirators
Spark arresters
RT Accident prevention
Safety engineering

SAFETY ENGINEERING
RT Safety

SAFETY FACTORS
RT Design
Safety
Slopes
Slope stability
Stability
Stability analysis
Strength
Structural analysis
Structural stability
Structures

SAFETY PLANNING
RT Traffic
Traffic accidents
Traffic control systems

SAG PONDS
BT Lakes

SAGEBRUSH
BT Brush
Crops
Dicots
Horticultural crops
Phreatophytes
Plants (botany)
RT Desert plants
Weed control
Wildlife management

SAILING
USE BOATING

SALAMANDERS
BT Amphibia
Vertebrates
RT Aquatic animals

SALARIES
USE WAGES

SALES
RT Consumers
Marketing
Prices

SALINE DEPOSITS
USE SALTS

SALINE GROUND WATER
BT Ground water
Subsurface waters
Water
RT Ground water sources
Saline soils
Saline water
Saline water-freshwater interfaces
Saline water intrusion
Salts

SALINE LAKES
UF Salt lakes
BT Bodies of water
Lakes
Land forms
Standing waters
Surface waters
RT Saline water
Saline water fish
Salts

SALINE SOILS
BT Soil types
Soils
RT Alkaline soils
Chlorides
Saline ground water
Salt water
Salts
Sulfates

SALINE WATER
UF Salt water
BT Water
Water types
NT Brackish water
Brines
Sea water
RT Corrosion
Desalination
Ground water
Membrane processes
Saline ground water
Saline water intrusion
Saline water systems
Saline water intrusion
Saline lakes
Salts
Salt water barriers
Salt marshes
Salinity
Solutions
Water pollution sources

SALINE WATER CONVERSION
USE DESALINATION

SALINE WATER FISH
BT Animals
Aquatic animals
Aquatic life
Fish
Wildlife
RT Estuaries
Saline lakes

SALINE WATER-FRESHWATER INTERFACES
UF Freshwater-saline water interfaces
BT Boundaries (surfaces)
Interfaces
RT Mixing
Saline ground water
Saline water intrusion

SALINE WATER INTRUSION
UF Intrusion
Intrusion (salinity)
RT Canals
Ground water
Ground water recharge
Infiltration
Interfaces
Leaching
Pumping
Recharge
Saline water
Saline ground water
Saline water-fresh water interfaces
Salinity
Seepage
Subsurface waters
Tides
Water levels
Water pollution sources
Wells
Saline water
Salt marshes
Salt water barriers
Water levels
Well regulations

SALINE WATER SYSTEMS
RT Desalination
Saline water
Thermodynamics
Water chemistry

SALINITY
BT Chemical properties
RT Desalination
Irrigation water
Saline water
Saline water intrusion
Salinity meters
Salts
Water quality

SALINITY METERS
UF Salinometers
BT Equipment
Instrumentation
Measuring instruments
Meters
Test equipment
RT Salinity

SALINITY TOLERANCE
USE SALT TOLERANCE

SALINOMETERS
USE SALINITY METERS

SALIX SPECIES
USE WILLOW TREES

SALMON
BT Aquatic animals
Fishes
Vertebrates
RT Freshwater fishes

SALMONELLA
BT Aerobic bacteria
Bacteria
Enterobacteriaceae
Eubacteriales
NT Salmonella paratyphi
Salmonell typhimurium
Salmonella typhosa

SALT BALANCE
BT Leaching
Water quality

SALT EXTRACTION
USE DESALINATION

SALT LAKES
USE SALINE LAKES

SALT MARSHES
BT Marshes
Wetlands
RT Saline water
Saline water intrusion

SALT REMOVAL
RT Alkaline soils
Demineralization
Desalination
Salts

SALT SPRAY TESTS
BT Environmental tests

SALT TOLERANCE
UF Salinity tolerance
RT Metabolism
Resistance
Soils

SALT VELOCITY METHOD
BT Water measurement
RT Diffusion
Electric bridges
Electrodes
Field tests
Flow
Fluid mechanics
Instrumentation

SALT WATER
UF Saline water
RT Fresh water
Saline soils

SALT WATER BARRIERS
UF Barriers (salt water)
Barriers (sea water)
Sea water barriers
BT Barriers
RT Saline water
Saline water intrusion

SALTATION
BT Sediment transport
RT Movement

SALTS
UF Acid salts
Saline deposits
BT Chemical compounds
Chemicals
(Continued)

SALTS (Continued)
RT Acids
Alkalis (bases)
Chlorides
Dissolved solids
Phosphates
Saline ground water
Saline lakes
Saline soils
Saline water
Salinity
Salt removal
Salt tolerance

SALVAGE
BT Waste management
NT Water salvage
RT Extraction
Reclamation

SALVAGE VALUE
BT Value
RT Water reuse

SAMPLES
NT Soil samplers
RT Augers
Borings
Materials tests
Nets
Samples
Samplers
Sampling
Test equipment

SAMPLERS
RT Soil samplers
Water sampling

SAMPLING
NT Quantitative sampling
Water sampling
RT Analysis
Analytical techniques
Assay
Assaying
Borings
Census
Creel census
Drilling
Exploration
Fluid investigations
Forecasting
Inspection
Investigations

SAMPLING (Continued)
RT Measurement
Quality control
Reliability
Remolded soil samples
Rotary drilling
Samplers
Samples
Sediment samplers
Sequential analysis
Soil investigations
Soil samplers
Statistical analysis
Statistics
Subsurface investigations
Test procedures
Tests
Undisturbed samples
Variability
Soil investigations

SAMPLING (STATISTICS)
RT Statistics
Quality control

SAND ASSESSMENT
USE LAND TAXATION

SAND BARS
UF Bars (sand)
BT Alluvial deposits
Land forms
Sediment deposits
Sediments
Topographic features
RT Beaches
Beach sands
Coasts
Currents (water)
Deposition
Dunes
Geologic deposits
Geomorphology
Littoral drift
Littoral materials
Reefs
Sands
Sand spits
Sedimentation
Sediment concentration
Shallow water
Shoals

SAND BOILS
UF Boils (sand)
RT Foundations

SAND CONTROL
BT Soil stabilization
RT Dunes
Erosion control
Land reclamation
Psammophytes
Regeneration (vegetation)
Sands
Shelterbelts
Vegetation establishment
Wind action
Windbreaks
Shelter belts
UF Sand exclusion
Sand production

SAND DESERTS
BT Deserts
RT Ergs

SAND DRAINS
BT Drains
RT Filters
Sands
Settlement (structural)
Subsurface drains

SAND DUNES
UF Dunes
BT Dunes
Ergs
NT Barchans
Seif dunes
RT Beach ridges
Eolian soils
Sands
Wind action

SAND EXPLOSION
USE SAND CONTROL

SAND FILTERS
BT Fluid filters
Separators
RT Drainage
Drains
Sands
Sewage treatment
Water treatment

SAND FILTRATION
BT Filtration
Separation
RT Centrifugal filtration
Pressure filtration
Sewage filtration

SAND LINES
RT Bailers
Cable tool rigs
Rotary drilling rigs
Well servicing rigs

SAND PITS
BT Pits
RT Aggregates
Sands

SAND PRODUCTION
USE SAND CONTROL

SAND SPITS
BT Land forms
RT Currents (water)
Sands

SAND TANKS
BT Classifiers
Containers
Nonmechanical classifiers
Separators
Tanks (containers)
Wet classifiers
RT Centrifugal classifiers
Hydraulic classifiers
Mechanical classifiers

SAND TRAPS
RT Debris barriers
Setting basins

SAND WAVES
BT Sedimentary structures
RT Currents (water)
Movement

SANDS
BT Soils
NT Beach sands
Dune sands
Quicksand
RT Earth materials
(Continued)

SANDS (Continued)
RT Entisols
Fine aggregates
Geologic deposits
Gravel pits
Loams
Noncohesive soils
Sand drains
Sandstone
Sand control
Sand pits
Sand spits
Sand filters
Sand dunes
Sand bars
Silty loams
Silts
Sediment deposits
Soil texture
Soil components
Soil liquefaction
Terrace deposits

SANDSTONE
BT Rocks
Sedimentary rocks
RT Quartzite
Sands
Sediment deposits
Sediments
Shale

SANDY GRAVEL
USE GRAVELS

SANITARY CODE
BT Amenities
Codes

SANITARY ENGINEERING
UF Engineers (sanitary)
Sanitary engineers
BT Civil engineering
Engineering
RT Doelution
Effervescence
Effluents
Hygiene
Outfall sewers
Pest control
Pollution control
Refuse
Refuse control
Refuse disposal
(Continued)

SANITARY ENGINEERING (Continued)
RT Sewage
Sewage disposal
Sewage effluents
Sewage treatment
Sewage treatment plants
Sewage works
Sludge
Treatment
Waste disposal
Wastes
Water pollution
Water treatment
Waterworks

SANITARY ENGINEERS
USE SANITARY ENGINEERING

SANITARY FILL
USE LANDFILLS

SANITARY SEWERS
BT Sewers
NT Force mains
RT Combined sewers
Outfall sewers
Siphons (sewage)

SANITATION
BT Waste management
RT Health
Public services
Sewers

SANITATION CONTROL (INSECTS)
BT insect control

SANITATION CONTROL (PESTS)
BT Pest control

SAPROPHYTES
BT Plants (botany)
RT Parasitic plants

SATELLITE CITIES
BT Types of cities
Urban type
RT City planning
Garden cities
New towns
Planned communities
Suburbs

SATELLITE COMMUNITIES
BT Spatial location
Types of communities
RT Shrubs

SATELLITE ORBITS
USE ORBITS

SATELLITES
BT Suburbs
Types of cities

SATELLITES (ARTIFICIAL)
UF Artificial satellites
NT Meteorological satellites
RT Astronomical bodies
Meteorology

SATURATED FLOW
BT Flow
Movement
RT Flow patterns
Porosity

SATURATED SOILS
UF Waterlogged soils
BT Earth materials
Materials
Soils
Soil types
RT Drainage
Evapotranspiration

SATURATION
RT Evaporation
Flooding
Ground water
Penetration
Solutions
Supersaturation

SATURATION DEFICIT
RT Humidity

SATURATION ZONES
RT Ground water
Phreatic water
Seepage
Springs (water)
Wells

SAVANNA
RT Desert biome

SAVANNAS
USE GRASSLANDS

SAVINGS AND LOAN ASSOCIATIONS
UF Building and loan associations
Building associations
Homestead associations
Loan associations
Loans
Savings associations
RT Associations
Banks and banking
Building societies
Finance
Investments
Morgage finance
Property improvement loans
Savings banks
Building societies

SAVINGS ASSOCIATIONS
USE SAVINGS AND LOAN ASSOCIATIONS

SAVINGS BANKS
RT Banks
Finance
Savings and loan associations

SAW LOG TEST
USE NAVIGABLE WATERS

SAWDUST
BT Dust

SAWMILLS
BT Industrial plants
Mills
RT Facilities
Industrial wastes
Lumbering
Water pollution sources
Wood

SCAVICIDES
USE ACARICIDES

SCABS
BT Plant diseases

SCALE (CORROSION)
BT Corrosion
RT Degradation

SCALE(RATIO)
RT Charts
Indexes (ratios)
Maps
Models
Size
Surveys

SCANDIUM
BT Metals
Transition metals
RT Rare earth elements
Scandium isotopes

SCENERY
RT Conservation
Natural resources
Parks
Recreation
Resource conservation
Roads
Scenic easements
Waterfalls

SCENIC DEVELOPMENT
BT Urban amenities

SCENIC EASEMENTS
BT Easements
Legal aspects
RT Public access
Scenery
Zoning

SCENIC HIGHWAYS
BT Highways
Roads
RT National parks
Parks
Recreation

SCHOOL DISTRICTS
BT Urban area classifications
RT Education

SCHOOL HOUSING
NT Dormitories
RT Education

SCHOOL LANDS
BT Indstitutional lands

SCHOOL LOCATION
RT Educational facilities
Public facilities

SCHOOL POPULATION
BT Population groups

SCHOOLS (EDUCATION)
BT Institutions
NT Universities
RT Buildings
Education
Engineering education
Facilities
Organizations
Training
Educational parks

SCIENCES
NT Biology
Chemistry
Economics
Engineering
Geochemistry
Geology
Mathematics
Physics
Psychology
Social sciences
Zoology
RT Education
Management
Scientific method
Scientific personnel

SCIENTIFIC INSTITUTIONS
USE SCIENTIFIC SOCIETIES

SCIENTIFIC METHOD
BT Methodology
RT Operations research
Procedures
Sciences

SCIENTIFIC PERSONNEL
BT Personnel
Professional personnel
Technologists
RT Employment
Engineering personnel
Sciences

SCIENTIFIC RESEARCH
USE RESEARCH

SCIENTIFIC SOCIETIES
UF Scientific institutions
BT Organizations
Professional societies
RT Information centers

SCOTCH PINE TREES
UF Pinus sylvestris
BT Coniferous trees
Conifers
Gymnosperms
Pine trees
Plants (botany)
Trees

SCOUR
RT Denudation

SCRAP
RT Refuse

SCRAPERS
USE EARTH HANDLING EQUIPMENT

SCREENS
NT Well screens
RT Debris barriers
Filters
Fluid filters
Size

SCRUBBERS
RT Air pollution control equipment

SCUM
RT Slime

SCVKHOZ
USE STATE FARMS

SEA ICE
RT Ice

SEA LEVEL
UF Mean sea level
RT Boundaries (surfaces)
Fjords
Quaternary period
Tides
Water levels

SEA NETTLES
UF Nettles (sea)
BT Animals
Aquatic animals
Aquatic life
Plankton
Seston
Zooplankton
RT Swimming
Toxins
Water pollution sources

SEA WALLS
BT Engineering structures
Hydraulic structures
Walls
RT Barriers
Bulkheads
Coastal structures
Ocean waves
Retaining walls

SEA WATER
UF Marine water
Ocean water
BT Saline water
Water
Water types

SEA WATER BARRIERS
USE SALT WATER BARRIERS

SEA WATER CONVERSION
USE DESALINATION

SEA WATER DENSITY
USE DENSITY (MASS/VOLUME)

SEACOAST
USE COASTS

SEALANTS
UF Seals
NT Canal sealants
Chemical sealants
sealing compounds
Soil sealants
Water-borne sealants
RT Asphalt emulsions
Coatings
Filters
Finishes
Gate seals
(Continued)

SEALANTS (Continued)
RT Grout curtains
Grouting
Leakage
Linings
Paints
Protective coatings
Seals (stoppers)
Seepage losses
Seepage control
Surface sealing
Water seals
Waterproofing
Watertight

SEALS
USE SEALANTS

SEALING COMPOUNDS
BT Sealants

SEALS (STOPPERS)
NT Gate seals
Water seals
RT Asphalts
Barriers
Closures
Sealants

SEARCH LIGHTS
USE LIGHTING EQUIPMENT

SEAS
USE OCEANS

SEASHORES
BT Land forms
Shores
NT National seashores
RT High water mark
Low water mark
Ownership of beds

SEASONAL
RT Ephemerals
Intermittent streams
Migrations
Monsoons
Non-perennial streams
Resting period
Seasonal variations
Time
Summer
Water year
Winter

SEASONAL HOUSING
UF Temporary housing
RT Migrant workers
Temporary housing
Temporary residential use

SEASONAL VARIATIONS
BT Periodic variations
RT Seasonal
Seasons

SEASONS
NT Autumn
Summer
Winter
RT Climatology
Ephemeral streams
Seasonal variations

SECOND HOME COMMUNITIES
RT Second homes

SECOND HOMES
NT Vacation homes
RT Second home communities

SECOND HOUSE MARKET
BT Housing market

SECOND ORDER SURVEYS
BT Surveys
RT Civil engineering
Mapping
Measurement

SECONDARY PRODUCTIVITY
BT Ecology

SECTOR PATTERN
BT Spatial analysis

SECTOR PLANNING
BT Planning

SECTOR THEORY
RT Urban dispersion

SEDIMENT CONCENTRATION
UF Concentration (sediment)
Concentration (silt)
RT Aggradation
Deposition (sediments)
(Continued)

SEDIMENT CONCENTRATION (continued)
RT Reefs
Reservoir silting
Sand bars
Sedimentation
Sediment control
Sediment deposits
Sediments
Sediment samplers
Sediment transport
Shoaling
Silting
Stratification

SEDIMENT CONTROL
UF Silt control
BT Control
RT Channel erosion
Channel improvements
Dams
Desilting
Desilting method
Entrances (fluid flow)
Forest management
Geologic control
Hydraulic engineering
Movable bed models
Multiple purpose projects
Non-structural alternatives
Pump intakes
Reservoir operation
Reservoir silting
Sedimentation
Sedimentation rates
Sediment concentration
Sediment discharge
Sediment load
Sediments
Sediment samplers
Sediment transport
Sediment yield
Settling basins
Shoaling
Silts
Soil conservation

SEDIMENT DENSITY PROBES
USE SOIL DENSITY PROBES

SEDIMENT DEPOSITS
BT Sediments
NT Alluvial deposits
Moraines
(Continued)

SEDIMENT DEPOSITS (Continued)
NT Mud flats
Sand bars
Terrace deposits
RT Colluvium
Flood plains
Geologic deposits
Glacial deposits
Gravels
Lake beds
Lake soils
Sands
Sedimentation
Sediment concentration
Sedimentology
Sediment transport
Silting
Sandstone
Suspended sediments

SEDIMENT DISCHARGE
UF Discharge (sediment)
BT Geology
Sedimentation
RT Sediment control
Sediment distribution
Sediment load
Sediments
Sediment transport
Sediment yield
Suspended sediments

SEDIMENT DISTRIBUTION
BT Geology
Sedimentation
RT Sediment discharge
Sediment transport
Sedimentation rates
Sediments

SEDIMENT LOAD
BT Geology
Sedimentation
NT Bed load
Suspended load
RT Meanders
Sediment control
Sediment discharge
Sediment transport
Sedimentation rates
Sediments
Seston
Suspended sediments

SEDIMENT PRODUCTION
RT Bank erosion
Deposition
Erosion
Flood plains
Floodwater
Geology
Glacial deposits
Glaciation
Saltation
Sedimentation
Sedimentation rates
Sediments
Sediment transport
Trap efficiency
Vegetation effects

SEDIMENT SAMPLERS
RT Sediment concentration

SEDIMENT SORTING
BT Geology
Sedimentation
RT Sedimentation rates
Sedimentology

SEDIMENT TRANSPORT
UF Silt transport
Transport, sediment
BT Geology
Sedimentation
NT Saltation
RT Bed load
Bedload movement
Bed movements
Critical tractive force
Denudation
Deposition
Flow
Flumes
Littoral drift
Movable bed models
Movement
Running waters
Sedimentation
Sedimentation rates
Sediment deposits
Sediment discharge
Sediment distribution
Sediment concentration
Sedimentload
Sedimentology
Suspended sediments
Suspended solids
(Continued)

SEDIMENT TRANSPORT (Continued)
RT Sediment control
Sediment production
Shoaling
Streams
Suspension
Tractive forces
Transfer
Tripton

SEDIMENT-WATER INTERFACES
BT Boundaries (surfaces)
Earth-water interfaces
Interfaces
RT Lake soils
Mud
Mud flats
Mud-water interfaces
Sediments

SEDIMENT YIELD
UF Yield (sediment)
RT Drainage basins
Erosion
Provenance
Reservoir silting
Sedimentation
Sedimentation rates
Sediment control
Sediment discharge
Sedimentology
Sediments
Streams
Trap efficiency
Vegetation effects
Watershed management
Watersheds (basins)
Sedimentary basins (geological)

SEDIMENTARY BASINS (GEOLOGICAL)
BT Basins
RT Lakes
Land forms
Sediment yield
Sediments

SEDIMENTARY PETROLOGY
BT Geology
Petrology
Sedimentology
RT Petrography
Sedimentary rocks
Sedimentary structures
Sedimentation

SEDIMENTARY ROCKS
BT Rocks
NT Anthracite
Bituminous coal
Carbonaceous rocks
Clastic rocks
Coal
Conglomerate rocks
Lignite
Limestone
Mudstone
Oil shale
Sandstone
Shale
RT Alluvial deposits
Calcareous rocks
Carbonate rocks
Geologic formations
Geology
In situ rock
Metamorphic rocks
Petrography
Quartzite
Sediments
Sedimentation
Sedimentology
Sedimentary petrology

SEDIMENTARY SOILS
USE RESIDUAL SOILS

SEDIMENTARY STRUCTURES
NT Sand waves
RT Geologic formations
Geologic structures
Sedimentary petrology
Sedimentation
Sedimentology
Sediments
Stratigraphy
Structural geology

SEDIMENTATION
BT Geology
NT Deposition (sediments)
Sediment discharge
Sediment distribution
Sediment load
Sediment sorting
Sediment transport
(Continued)

SEDIMENTATION (Controlled)
RT Erosion
Flood plains
Sediment production
Sedimentary petrology
Sedimentary rocks
Sedimentary structures
Sedimentation rates
Sedimentology
Sediments
Sediment deposits
Sediment construction
Sewage treatment plants
Sand bars
Sedimentation tanks
Sedimentary structures
Separation
Settling basins
Silting
Water filters
Water treatment
Stream meandering
Stream erosion
Stratigraphy
Stratification
Superimposed drainage
Terrace deposits

SEDIMENTATION BASINS
USE SETTLING BASINS

SEDIMENTATION RATES
BT Rates
RT Deposition
Movement
Reservoirs
Running waters
Sediment control
Sediment distribution
Sediment load
Sedimentology
Sediment production
Sediment transport
Sediment yield
Sedimentation
Sediment sorting
Settling basins
Settling velocity
Stokes law

SEDIMENTATION TANKS
BT Containers
Tanks (containers)
RT Desilting
Flocculation basins
Sedimentation
Settling basins
Sewage treatment
Sewage treatment plants
Skimming
Storage tanks
Water treatment

SEDIMENTOLOGY
BT Geology
NT Sedimentary petrology
RT Geological sedimentation
Geomorphology
Marine geology
Palentology
Sediment deposits
Sediment sorting
Sediment transport
Sedimentary rocks
Sedimentary structures
Sedimentation rates
Sedimentation
Sediments
Sediment yield
Stratigraphy

SEDIMENTS
NT Alluvial deposits
Alluvium
Bedload
Bottom sediments
Lacustrine deposits
Loess
Sand deposits
Sediment deposits
Sediment load
Suspended load
Suspended sediments
Suspended solids
Till
RT Flood plains
Bed movements
Geologic deposits
Ground water movement
Lake beds
Loess
Loess eliminate
Pollen
River beds
(Continued)

SEDIMENTS (Continued)
RT Sediment distribution
Sediment load
Sedimentary basins (geological)
Sedimentary rocks
Sedimentation
Sediment concentration
Sediment control
Sediment discharge
Sediment discharge
Sedimentology
Sediment production
Sediment-water interfaces
Sediment yield
Sandstone
Silts
Sludge

SEED PLANTING
UF Seeding
Sowing
BT Planting
NT Aerial seed planting
Forest seed planting
RT Seedbeds
Seeds

SEED TREATMENT
RT Application methods
Pest control
Pesticides

SEEDING
USE SEED PLANTING

SEEDS
RT Biology
Grains (crops)
Plants (botany)
Reproduction

SEEDS DISSEMINATION
BT Plant dissemination

SEEPAGE
UF Seepage water
NT Canal seepage
Underseepage
RT Banks
Canals
Dams
Drainage
(Continued)

**SEEPAGE** (Continued)
RT Farm lagoons
Flow
Ground water
Ground water flow
Ground water movement
Ground water recharge
Grout curtains
Grouting
Highway icing
Hydraulics
Infiltration
Inflow
Influent streams
Irrigation
Irrigation water
Leakage
Linings
Natural recharge
Penetration
Percolation
Permeability coefficients
Piping (erosion)
Ponding
Ponding tests
Porosity
Recharge
Reservoirs
Riparian water loss
Saline water intrusion
Saturation zones
Seepage control
Seepage losses
Springs (water)
Subsurface drainage
Surface irrigation
Surface sealing
Soil moisture movement
Soil sealants
Test canals
Toe drains
Water loss
Water storage
Water types

SEEPAGE CONTROL
BT Control
RT Blankets
Earth dams
Foundations
Grouting
Pervious blankets
Sealants
Seepage

SEEPAGE LOSSES
BT Losses
RT Leakage
Linings
Sealants
Seepage
Water loss

SEEPAGE WATER
USE SEEPAGE

SEEPWILLOW
BT Desert plants

SEGREGATION
RT Minority housing

SEIF DUNES
RT Ergs

SEINES
USE NETS

SEISMIC INVESTIGATIONS
BT Investigations

SEISMIC **DESIGN**
BT Design
RT Damping
Earthquakes
Seismic waves
Structural design
Structural stability
Vibration

SEISMIC PROSPECTING
RT Seismic studies
Seismic velocity
Seismographs
Seismic waves
BT Geophysical prospecting

SEISMIC STUDIES
BT Geophysics
RT Exploration
Explosions
Exploration
Seismic prospecting
Seismic waves

SEISMIC TESTS
BT Dynamic tests
Tests
(Continued)

SEISMIC TESTS (Continued)
RT Damping
Explosions
Explosives
Field tests
Seismic waves

SEISMIC VELOCITY
BT Velocity
RT Intensity
Seismic prospecting
Seismic waves

SEISMIC WAVES
BT Waves
RT Earth movements
Earthquake engineering
Earthquake loads
Earthquakes
Earthquake theory
Explosives
Intensity
Refraction
Seismic prospecting
Sound waves
Vibration
Shock waves
Seismographs
Seismic velocity
Seismic tests
Seismic studies
Seismic design
Shock (mechanics)
Seismology
Shear waves
Soil dynamics
Underground explosions

SEISMOGRAPHS
UF Earthquake recorders
BT Equipment
Instrumentation
Measuring prospecting
Sensors
RT Detectors
Earthquakes
Intensity
Microseisms
Seismic waves
Vibration

SEISMOLOGY
RT Earth movements
Earthquakes
(Continued)

SEISMOLOGY (Continued)
RT Geology
Geophysics
Microseisms
Seismic waves
Vibration

SELECTION
RT Evaluation

SELECTION (TREES)
USE TREE BREEDING

SELENIUM
BT Chemical elements

SELENIUM ALLOYS
BT Alloys
Metals
RT Selenium

SELF ISOLATED STREETS
BT Roads

SELF HELP HOUSING
USE AIDED SELF-HELP HOUSING

SELF-PURIFICATION
BT Water purification
Water treatment
RT Aerobic bacteria
Streams
Water pollution

SELF-SPILLWAY DAMS
BT Dams
Hydraulic structures
RT Embankments
Pervious blankets
Spillways

SEMIARID AREAS
USE SEMIARID LAND

SEMI-ARID CLIMATES
BT Climate
RT Grasslands
Pedocals
Summer precipitation

SEMIARID LAND
UF Semiarid areas
BT Land
RT Arid lands
Land development
Land reclamation
Subhumid areas

SEMICIRCULAR SECTIONS
RT Flumes
Tunnels

SEMIMETALS
USE METALLOIDS

SENSING DEVICES
USE SENSORS

SENSING ELEMENTS
USE SENSORS

SENSITIVE CLAYS
USE CLAYS

SENSORS
UF Sensing devices
Sensing elements
BT Detectors
Equipment
NT Seismographs
Temperature sensors

SEPARATION
NT Atmospheric distillation
Electrodialysis
Extraction
Ion exchange
Osmosis
Sand filtration
Sewage filtration
Reverse osmosis
Skimming
RT Coagulation
Condensation
Desilting method
Elimination
Evaporation
Purification
Sedimentation
Separation techniques
Vaporization
Vaporizing
Sorption

SEPARATION TECHNIQUES
NT Demineralization
Desalination
Desilting
Dialysis
Distillation
Filtration
Leaching
Membrane processes
Reverse osmosis
Silting
RT Absorption
Analytical techniques
Chemical reactions
Coagulation
Condensation
Diffusion
Drying
Extraction
Separation
Sewage treatment
Treatment
Waste treatment
Water treatment

SEPARATORS
NT Classifiers
Electrostatic precipitators
Liquid filters
Nonmechanical classifiers
Sand filters
Sand tanks
Water filters
Wet classifiers

SEPTIC TANKS
BT Settling basins
Tanks (containers)
RT Disposal
Sewage treatment
Sewage works
Waste disposal
Waste treatment

SERVICE ROADS
USE FRONTAGE ROADS

SERVICES
UF Support services
NT Consulting services
Contracted services
Field cooking
Food dispensing
(Continued)

SERVICES (Continued)
NT Food preparation
Food services
Food services management
Graves registration services
Hospitalizing
Logistics services
Medical services
Military exchange services
Quartermaster services
Quick service meals
Water services
RT Fire fighting
Fringe benefits
Procurement
Service contracts
Utilities

SESTON
NT Aquatic bacteria
Aquatic fungi
Aquatic microbiology
Sea nettles
Zooplankton
RT Aquatic drift
Aquatic life
Organic matter
Organic wastes
Sediment load

SETTLEMENT (STRUCTURAL)
RT Loos soils
Land subsidence
Ponding tests
Sand drains
Soil consolidation

SETTLEMENTS
BT Urban
NT Dispersed settlements
Nucleated settlement
Settlement nodes
Suburbs
Urban centers
Urban frontiers
Villages

SETTLING BASINS
UF Sedimentation basins
Settling tanks
BT Basins
Hydraulics structures
NT Septic tanks
RT Dams
(Continued)

SETTLING BASINS (Continued)
RT Debris barriers
Desilting works
Disposal
Farm lagoons
Farm wastes
Sedimentation
Settling velocity
Sewage treatment
Sludge
Treatment
Waste disposal
Wastes
Waste treatment
Water purification
Sand traps
Sedimentation rates
Sedimentation tanks
Sewage sludge
Sludge disposal

SETTLING VELOCITY
UF Fall velocity
BT Rates
Velocity
RT Deposition (sediments)
Movement
Particle shape
Particle size
Sedimentation rates
Sediment load
Sedimentology
Settling basins
Stokes law
Suspension
Viscosity

SETTLING TANKS
USE SETTLING BASINS

SEVENTH APPROXIMATION
RT Entisols

SEVERANCE
RT Desert land act
Riparian land

SEWAGE
BT Wastes
NT Sewage sludge
RT Effluent reuse
Industrial wastes
Inflow
Organic wastes
(Continued)

SEWAGE (Continued)
RT Refuse
Sanitary engineering
Sewage bacteria
Sewage disposal
Sewage districts
Sewage effluents
Sewage lagoons
Urine
Sewage treatment
Sewage works
Sewerage
Sewers
Sludge
Water pollution
Water pollution sources
Water treatment

SEWAGE ANALYSIS
USE WATER ANALYSIS

SEWAGE BACTERIA
BT Bacteria
Microorganisms
Plants (botany)
RT Activated sludge
Aerobic bacteria
Anaerobic bacteria
Aquatic bacteria
Aquatic microorganisms
Coliforms
Sewage
Sewage treatment
Sulfate reducing bacteria
Water pollution sources

SEWAGE COLLECTION
USE SEWERAGE

SEWAGE DISPOSAL
UF Sewage sludge disposal
BT Disposal
Waste disposal
RT Contamination
Industrial wastes
Industrial waste treatment
Refuse disposal
Sanitary engineering
Sewage
Sewage treatment
Sewage works
Sludge
Wastes
(Continued)

SEWAGE DISPOSAL (Continued)
RT Water pollution
Stream pollution

SEWAGE DISTRICTS
RT Governments
Sewage
Utilities

SEWAGE EFFLUENTS
BT Effluents
RT Sanitary engineering
Sewage
Sewage treatment
Wastes
Waste water disposal
Water pollution sources

SEWAGE FILTRATION
BT Filtration
Separation
Sand filtration
Sewage treatment
Waste treatment

SEWAGE FILTRATION PLANTS
USE SEWAGE TREATMENT PLANTS

SEWAGE LAGOONS
UF Sewage ponds
BT Lagoons (ponds)
RT Disposal
Sewage
Sewage treatment
Waste disposal

SEWAGE PONDS
USE SEWAGE LAGOONS

SEWAGE PUMPS
BT Pumps
RT Sewage treatment

SEWAGE SLUDGE
BT Sewage
Sludge
Wastes
RT Biodegradation
Industrial wastes
Settling basins

SEWAGE SLUDGE DISPOSAL
USE SEWAGE DISPOSAL

SEWAGE STABILIZATION
BT Sewage treatment
Treatment
RT Chemical degradation

SEWAGE SYSTEMS
USE SEWAGE SYSTEMS

SEWAGE TREATMENT
UF Imhoff tanks
BT Waste treatment
NT Sewage filtration
Sewage stabilization
Tertiary treatment
RT Coagulation
Effluent reuse
Environmental sanitation
Incinerators
Industrial waste treatment
Water pollution treatment
Sedimentation tanks
Sewage bacteria
Sewage disposal
Sewage treatment plants
Sewage works
Sewerage
Sewers
Sand filters
Separation techniques
Septic tanks
Settling basins
Sludge treatment
Stream pollution
Lagoons (ponds)
Packaged sewage plants
Pollution
Sewage
Sewage effluents
Sewage engineering
Sewage lagoons
Sewage pumps
Water analysis
Waste water use
Waste water treatment
Waste stabilization ponds
Water salvage

SEWAGE TREATMENT PLANTS
UF Filtration plants (sewage)
Sewage filtration plants
BT Sewage works
Utilities
RT Dilution
Effluents
Flotation
Refuse disposal
Sanitary engineering
Sedimentation
Sewage treatment
Sludge
Waste treatment
Waste water disposal
Water pollution
Sedimentation tanks
Skimming
Spreading basins

SEWAGE WORKS
NT Sewage treatment plants
RT Effluents
Incinerators
Lagoons (ponds)
Public works
Radioactive wastes
Refuse disposal
Sanitary engineering
Sewage
Sewage treatment
Sludge
Sewage disposal
Sewers
Septic tanks
Skimming
Spreading basins

SEWER PIPES
BT Pipes (tubes)
Tubes
RT Outfall sewers
Sewers

SEWERAGE
UF Collection (sewage)
Sewage collection
Sewage systems
RT Pipelines
Sewage
Sewage treatment
Waste management

SEWERAGE SYSTEMS
BT Urban services
Urban systems
NT Drainage
Storm drainage
Storm water control
RT Drainage problems
Surface water
Watersheds

SEWERS
UF Interceptors (sewers)
BT Conduits
NT Combined sewers
Force mains
Outfall sewers
Sanitary sewers
Storm sewers
RT Channels
Closed conduits
Conveyance structures
Disposal
Drains
Noncircular conduits
Open channels
Outlets
Overflows
Pipelines
Pipes
Sanitation
Sewage
Sewage treatment
Sewerage
Sewage works
Subsurface drainage
Tunnels
Utilities
Wastes
Sewer pipes

SFERICS
USE ATMOSPHERICS

SHACK TOWNS
BT Types of communities

SHADE TREES
BT Trees
RT Arboriculture
Street trees

SHAFT SPILLWAYS
BT Spillways

SHAFTS (MACHINERY)
RT Keyways

SHALE
BT Rocks
Sedimentary rocks
NT Oil shale
RT Sandstone

SHALE OIL
BT Fossil fuels
Oils
RT Crude oil

SHALES
BT Clastic rocks
Rocks
Sedimentary rocks

SHALLOW WATER
RT Deep water
Littoral
Pelagic zone

SHALLOW WATER MINES
BT Mines (ordnance)
Naval mines
RT Bottom mines
Influence mines
Riverine mines

SHALLOW WELLS
BT Wells
RT Drawdown
Ground water
Sumps
Water wells

SHANTY TOWNS
BT Blight
Suburbs
Types of towns
RT Urban renewal

SHAPE
RT Size
Topography
Lake morphology

SHARE FARMING
BT Farming

SHEAR
NT Boundary shear
RT Boundaries (suraces)
Compression
Flow
Shear tests
Strength
Stress
Tension

SHEAR PROPERTIES
RT Soil mechanics

SHEAR STRAIN
BT Strain

SHEAR TESTS
BT Materials test
Tests
NT Drained shear tests
Undrained shear tests
RT Experimental data
Field tests
Shear
Soil compression tests
Soil tests

SHEAR WAVES
BT Waves
RT Blasts
Dynamic tests
Elastic waves
Explosions
Mechanical waves
Seismic waves
Vibration

SHEDS
BT Farm buildings

SHEEP
UF Rams (sheep)
BT Artiodactyla
Eutheria
Mammals
Ruminants
Ungulata
Vertebrates
RT Domestic animals
Livestock
Wool

SHEET EROSION
BT Erosion
RT Colluvium
Overland flow
Raindrops
Sheet floods
Soil erosion
Surface runoff
Sheet floods
Vegetation effects
Wind erosion

SHEET FLOODS
BT Floods
RT Flash floods
Interfluves
Sheet erosion
Sheet flow
Soil erosion

SHEET FLOW
BT Flow
Movement
RT Flow patterns
Overland flow
Sheet floods
Transients
Unsteady flow

SHEETING
RT Bulkheads
Retaining walls
Walls

SHELL CONSTRUCTION (CONCRETE)
USE CONCRETE CONSTRUCTION

SHELL HOUSES
USE OWNER-BUILT HOUSES

SHELL STRUCTURES
RT Thin arch dams
Plates

SHELLFISH
BT Animals
Aquatic animals
Aquatic life
NT Brine shrimp
Clams
Commercial shellfish
Crabs
(Continued)

SHELLFISH (Continued)
NT Lobsters
Mussels
Opossum shrimp
Oysters
Pink shrimp
Shrimp
Snails

SHELTERBELTS
BT Barriers
RT Afforestation
Conservation
Erosion control
Sand control
Vegetation effects
Wildlife management
Windbreaks
Wind erosion

SHELTERBREAKS
RT Windbreaks

SHELTERS
UF Civil defense
Civilian defense
Protective construction
NT Air raid shelters
RT Buildings
Environmental engineering
Greenhouses
Safety
Underground structures

SHIELDING
RT Fallout
Linings

SHIPPING
USE TRANSPORTATION

SHIPS
UF Vessels (ships)
NT Aircraft carriers
Ammunition ships
Amphibious assault ships
Amphibiuus ships
Amphibious transport docks
Attack cargo ships
Attack transports
Automated ships
Ballastic missile submarines
Battleships
(Continued)

SHIPS (Continued)
NT Cargo ships
Combatant ships
Cruisers
Destroyer excorts
Destroyers
Dock landing ships
Excort ships
Frigates
Guided missle ships
High speed transport ships
Icebreakers
Merchant ships
Midget submarines
Minelayers (ships)
Minesweepers (ships)
Mine warfare ships
Motor ships
Naval ships
Noncombatant naval ships
Nuclear powered ships
Oceanographic ships
Passenger ships
Patrol ships
Picket ships
Steamships
Submarine chasers
Submarines
Tanker ships
Tank landing ships
Tenders (ships)
Transports (ships)
Warships
Boats
Ferry boats
Hydrofoil craft
Marine engines
Marine refrigeration
Naval architecture
Shipbuilding
Ship hulls
Ship models
Ship structural components
Shipyards
Yard craft (water borne)
RT Water pollution sources

SHOALING
RT Sediment concentration

SHOCK (MECHANICS)
RT Blasts
Dynamic tests
Earthquakes
Explosions
Liquefaction
Loads (forces)
Seismic waves
Vibration

SHOCK RESISTANCE
RT Vibration

SHOCK TESTS
BT Tests
RT Blasts
Dynamic tests
Explosions

SHOCK TUBES
BT Test facilities
Tubes

SHOCK WAVES
UF Pressure waves
BT Elastic waves
Mechanical waves
Waves
RT Blast effects
Blasts
Detonation waves
Earthquakes
Elastic waves
Exploding wires
Exploding effects
Explosions
Hypersonic flow
Impact
Impact shock
Implosions
Longitudinal waves
Mach number
Mechanical shock
Nuclear explosion effects
Plane waves
Seismic waves
Shock mechanics
Sound pressure
Sound waves
Supersonic flow
Transonic flow
Vibration
Wave interference

SHOPPING CENTERS
UF Commercial areas
Store location
Stores, retail
BT Business districts
Retailing
NT Planned shopping centers
RT Business
City planning
Retail stores
Retail trades
Shopping center financing

SHOPPING DISTRICT
BT Business districts
Retailing
NT Shopping street

SHOPPING STREET
BT Shopping district
RE Retail trades

SHOPS
RT Farm buildings

SHORE EROSION
USE BEACH EROSION

SHORE-LINE COVER
BT Vegetal cover

SHORELINES
USE SHORES

SHORE PROTECTION
RT Anchored bulkheads
Bank protection
Banks
Beach erosion
Breakwaters
Bulkheads
Coastal engineering
Coastal structures
Dikes
Dunes
Gabions
Groins (structures)
Harbors
Ice loads
Jetties
Levees
Littoral drift
Ocean beaches
(Continued)

SHORE PROTECTION (Continued)
RT Ocean waves
Piers
Retaining walls
Revetments
Riprap
Rubble
Sea walls
Shores
Slope protection
Wave action
Wave run-up
Waves (water)

SHORE PROTECTION
UF Coast protection

SHORELINE DEVELOPMENT
BT Urban development

SHORES
UF Shorelines
BT Land forms
NT Lake shores
National seashores
Seashores
RT Aquatic environment
Beaches
Coastal structures
Lagoons (land forms)
Littoral
Littoral drift
Quarternary period
Tides

SHORT CIRCUITS
BT Electric power failure
Electrical faults

SHORT RANGE FORECAST
BT Planning
Weather forecast

SHORT RUN FORECAST
BT Weather forecast
RT Planning

SHORT TERM HOUSING
BT Temporary housing

SHORT-TERM PLANNING
RT Long-term planning

SHRIMP
BT Animals
Aquatic animals
Aquatic life
Commercial shellfish
Crustaceans
Invertebrates
Shellfish
NT Brine shrimp
Opossum shrimp
Pink shrimp

SHRINKAGE
NT Soil shrinage
RT Strain
Depreciation
Expansion
Expansive clays
Expansive soils
Growth
Reduction
Volume change

SHRUBS
UF Bushes
BT Crops
Dicots
Horticultural crops
Plant cover
Plants (botany)
RT Brush
Conifers
Fruit crops
Highway beautification
Landscaping
Ornamentals
Wildlife management

SHUNTS (ELECTRIC)
NT Electric shunts
UF Electric shunts

SIDE CHANNEL SPILLWAYS
BT Spillways

SIDE FRICTION
USE FRICTION

SIDEWALKS
UF Walks
BT Pedetrian systems
RT Streets
Pedestrian traffic
Urban services

SIEROZEMS
UF Desert soils
BT Alkaline soils
Calcareous soils
Pedocals
Soil groups
Soils
Soil types
RT Arid lands
Temperate

SIEVE ANALYSIS
BT Mechanical analysis

SIGNAL DEVICES
RT Traffic signals

SIGNAL SERVICES
USE TELECOMMUNICATION

SIGNBOARDS
BT Urban aesthetics

SILICATE MINERAL DEPOSITS
USE NONMETALLIFEROUS MINERAL DEPOSITS
SILICATE MINERALS

SILICATE MINERALS
UF Silicate mineral deposits
NT Albite
Amesite
Amphiboles
Asbestos
Attapulgite
Beidellites
Bentonite
Biotite
Clay minerals
Feldspars
Fireclays
Fullers earth
Glauconite
Halloysite
Illite
Kaolin
Kaolinite
Kyanite
Mica
Microcline
Montmorillonite
Muscovite
Olivine
Orthoclase
(Continued)

SILICATE MINERALS (Continued)
NT Phlogopite
Plagioclase
Serpentine
Spodumene
Titanite
Wollastonite
Zoisite

SILICATES
BT Chemical compounds
Inorganic compounds
NT Bentonite
Clay materials
Illite
Kaolinite
Montmorillonite
Sodium silicate
Vermiculite

SILICON
BT Metalloids
RT Silicon cycle
Silicon isotopes

SILICON ALLOYS
BT Alloys
Metals
RT Silicon

SILOS
BT Farm buildings

SILT CONTROL
USE SEDIMENT CONTROL

SILT TRANSPORT
USE SEDIMENT TRANSPORT

SILTING
BT Separation techniques
NT Reservoir silting
RT Reservoirs
Sediment concentration
Sediment deposits
Sedimentation
Silts

SILTS
BT Soils
NT Organic silts
BT Soil types
RT Aeolian soils
Alluvial deposits
(Continued)

SILTS (Continued)
RT Alluvium
Bottom sediments
Cohesionless soils
Cohesive soils
Eolian soils
Finegrained soils
Fines
Fine-textured soils
Geologic deposits
Lake soils
Loams
Loess
Pervious soils
Sands
Sediments
Sitting
Soil classifications
Soil texture
Silty loams
Water pollution sources

SILTY GRAVEL
USE GRAVELS

SILTY LOAMS
BT Earth materials
Loams
Materials
Soils
Soil types
RT Aeolian soils
Alluvial deposits
Clays
Organic matter
Sands
Silts

SILVER
BT Chemical elements
Metals
Precious metals
Transition metals
RT Silvery alloys
Silver isotopes
Sterling

SILVER ALLOYS
BT Alloys
Metals
RT Silver

SILVICIDES
USE HERBICIDES

SILVICS
USE FOREST ECOLOGY

SILVICULTURE
UF Forest management
BT Forestry
NT Forest cutting cycles
Forest cutting systems
Forest regeneration (artificial)
RT Forests
Timber management
Trees

SIMILITUDE
RT Systems analysis

SIMULATED METROPOLITAN MODELS
BT City planning
RT Economic projections

SIMULATION
RT Earth models
Mathematical models
Models
Operations research
Simulators
Tests

SIMULATORS
NT Environment simulators
RT Analogs
Models
Simulation
Test facilities

SINGLE COMPANY TOWNS
BT Cities
Types of cities

SINGLE FUNCTION CLASSIFICATION
BT Types of cities

SINGLE PERSONS - HOUSING
USE HOUSING FOR SINGLE PERSONS

SINGLE PURPOSE CITIES
BT Types of cities

SINKHOLES
BT Land forms
RT Carbonate rocks
Ground water
Leakage
Limestone
Sinks
Subsidence
Water loss

SINKS
RT Carbonate rocks
Caves
Ground water
Gypsum
Karst
Land subsidence
Limestone
Potholes
Shallow subsidence
Sinkholes
Subsidence
Subsurface drainage

SIPHONS
RT Intakes

SIPHONS (SEWAGE)
RT Sanitary sewers

SIPHONS (WATER)
RT Storm sewers

SITE CLEARANCES
RT Slum clearances
Slums
Zoning

SITE PLANNING
BT Planning
RT Landscaping
Physical geography
Subdivision design

SITE SELECTION
UF Planning
Building sites
Homesites
Space perception in geography
Site surveys
BT Location factors
RT Industrial location

SITE SURVEYS
UF Site selection
BT Surveys
RT Economic factors
Economic surveys
Environmental surveys
Geophysical surveys
Military geology
Nuclear reactor sites
Plant location
Soil surveys

SITE UTILIZATION
BT Land use

SITES
UF Locations
Plots
BT Location
Spatial location
NT Bridge sites
Confluence fork sites
Delta sites
Island sites
Meander loop sites
RT Real estate

SITES
NT Damsites
Overwintering sites
Reservoir sites
RT Exploration
Habitats
Mapping
Relocation
Stations
Zoning

SIZE
BT Physical properties
RT Dimensions
Gradation analysis
Growth rates
Growth stages
Mass
Screens
Shape
Scale (ratio)

SKI JUMP SPILLWAYS
BT Hydraulic structures
Spillways
(Continued)

SKI JUMP SPILLWAYS (Cont)
RT Dams
Energy dissipation
Outlets
Plunge basins

SKID ROW
BT Blight
Slums
RT Welfare

SKIDDING
USE LOGGING

SKIING
BT Recreation
Winter sports
RT Recreation facilities
Snow

SKIMMING
BT Separation
RT Sewage treatment plants
Sewage works

SLAGS
RT Aggregates
Wastes

SLASH
BT Wood waste

SLASH DISPOSAL
BT Fores protection
NT Broadcast burning
RT Fuel reduction (forest)

SLAUGHTERHOUSE WASTE
BT Wastes
NT Tankerage
RT Meat packing industry

SLEET
BT Precipitation (atmospheric)
RT Freezing
Ice
Soil erosion
Snow
Storms

SLIDE GATES
BT Gates
Hydraulic gates
(Continued)

SLIDE GATES (Continued)
RT Fluid mechanics
Hoisting machinery
Outlet works

SLIDING
BT Movement
RT Earth movements
Friction
Landslides
Slope stability

SLIDING RESISTANCE
BT Resistance
RT Friction
Slope stability
Stability analysis
Surface properties

SLIME
RT Muck
Mud
Scum
Sludge

SLIPS (LAND)
USE LANDSLIDES

SLOPE
UF Grade (profile)
Inclination
RT Profiles

SLOPE PROTECTION
RT Erosion control
Bank protection
Slope stability
Slopes

SLOPE STABILIZATION
BT Stabilization
RT Slope stability
Soil stabilization
Vegetation establishment

SLOPE STABILITY
BT Stability
RT Earth dams
Erosion control
Landslides
Roadbanks
Slope protection
Slopes
(Continued)

SLOPE STABILITY (Continued)
RT Slope stabilization
Soil stability
Soil stabilization
Zoned embankments
Vegetation establishment
Safety factors
Sliding
Sliding resistance
Soil stability

SLOPES
BT Topographic features
NT Continental slope
RT Banks
Beaching
Canyons
Coastal topographic features
Earthwork
Elevation
Embankments
Energy gradient
Gradients
Grading (earthwork)
Land forms
Landslides
Lake morphometry
Rainfall-runoff relationships
Regime
Roadbanks
Runoff forecasting
Safety factors
Slope protection
Slope stability
Snowpacks
Soil erosion
Stability
Submarine topographic features
Surface runoff
Topography
Valleys

SLUDGE
UF Activated sludge
Anode sludge
NT Sewage sludge
RT Farm wastes
Sediments
Sanitary engineering
Wastes
Sewage
(Continued)

SLUDGE (Continued)
RT Sewage works
Sewage treatment plants
Sewage disposal
Settling basins
Slime
Sludge treatment
Sludge disposal
Solid wastes

SLUDGE DIGESTION
UF Digestion (sludge)
BT Biodegradation
Decomposition
Degradation (decomposition)
Digestion
RT Chemical degradation
Industrial waste treatment

SLOPPING INTAKE STRUCTURES
BT Intake structures
RT Intake channels

SLUDGE DISPOSAL
BT Disposal
Waste disposal
RT Degradation (decomposition)
Lagoons (ponds)
Settling basins
Sludge

SLUDGE TREATMENT
BT Treatment
Waste treatment
RT Biodegradation
Chemical degradation
Drainage
Sewage treatment
Sludge

SLUICE GATES
BT Gates
Hydraulic gates

SLUICES
BT Conveyance structures
Engineering structures
Hydraulic structures
Structures
RT Intakes

SLUM CLEARANCE
UF Urban renewal
(Continued)

SLUM CLEARANCE (Continued)
BT Urban renewal
RT City planning
Relocation
Site clearances
Slums

SLUM CONDITIONS
RT Slums

SLUM DWELLERS
BT Population groups

SLUM ENVIRONMENT
RT Slums

SLUM HOUSING
NT Urban fringe slums
RT Slumlord abuses
Slums

SLUM REHABILITATION
USE NEIGHBORHOOD REHABILITATION

SLUM RIDDEN CITIES
BT Slums

SLUM SCHOOLS
RT Slums

SLUMLORD ABUSES
RT Slum housing

SLUMS
BT Depressed areas (geographic)
NT Urban slums
RT Inner city
Poor
Site clearances
Slum clearance
Slum conditions
Slum environment
Slum housing
Slum schools
Urban environment
Urban squalor
Urban renewal agencies
Tax incentives

SLUMS
BT Blighted areas
Community types
Spatial patterns
NT High rise slums
(Continued)

SLUMS (Continued)
NT Roadside slums
Skid row
Slum environment
Slum ridden cities
Vertical slum
RT City planning
Federal programs
Gray areas
Impoverished areas
Redevelopment
Site clearances
Slum housing
Slum tenants
Urban areas
Urban renewal
Urban squalor

SLURRIES
BT Mixtures
RT Liquids

SMALL ANIMALS (MAMMALS)
BT Animals
NT Rodents
RT Aquatic animals
Small game
Wildlife

SMALL BUSINESS
BT Business
RT Federal lending

SMALL CITIES
BT Cities
Types of cities

SMALL GAME
RT Small animals (mammals)
Hunting

SMALLMOUTH BASS
USE BASS

SMALL-SCALE FARMS
BT Farm types
RT Part-time farming

SMALL TOWNS
USE VILLAGES

SMALL WATERSHEDS
BT Regions
(Continued)

SMALL WATERSHEDS (Continued)
BT Watersheds (basins)
RT Agricultural watersheds
Land use
Overland flow
Surface runoff

SMELTERS
RT Concentrators
Melting furnaces
Metallurgical furnaces
Pyrometallurgy
Refineries
Smelting

SMELTING
RT Smelters

SMOG
BT Environment
Pollution
RT Mist
BT Clouds
RT Condensation
Fog
Mixtures
Vapors

SMOKE
RT Air pollution
Dust
Mixtures
Smoke abatement
Vapors

SMOKE ABATEMENT
RT Abatement
Air pollution
Dilution
Dust control
Smoke

SMOKE HOUSES
BT Farm buildings

SMOKE JUMPERS
RT Aerial fire control

SMOOTH WALL BLASTING
BT Blasting

SMUTS
BT Plant diseases

SNAKES
BT Reptiles
Vertebrates

SNOW
BT Ground water sources
Precipitation (atmospheric)
NT Firn
Groupel
RT Avalanches
Ice
Melt water
Runoff
Skiing
Sleet
Snow cover
Snow fall
Snow gages
Snow management
Snow mechanics
Snow melt
Snow removal
Snow storms
Snow surveys
Storms
Weather
Water supply forecasting

SNOW COVER
RT Snow
Water supply forecasting

SNOW GAGES
BT Equipment
Hydrologic instruments
Measuring instruments
Meteorological instruments
Precipitation gages
RT Snow
Water supply forecasting

SNOW MANAGEMENT
BT Management
Water management (applied)
Water resources management
RT Forest management
Forestry
Forests
Melt water
Precipitation gages
Runoff
Snow
Water supply forecasting

SNOW MECHANICS
RT Avalanches
Snow

SNOW (NOISE)
USE ELECTROMAGNETIC NOISE

SNOW REMOVAL
BT Removal
RT Heating
Roads
Snow

SNOW SAMPLERS
BT Hydrologic instruments
RT Water supply forecasting

SNOW SURVEYS
BT Surveys
RT Snow
Watersupply forecasting

SNOWFALL
RT Precipitation gages
Snow
Water equivalent
Water supply forecasting

SNOWMELT
BT Fresh water
Melt water
Water
Water types
RT Intermittent streams
Radiation
Runoff
Snow
Water equivalent
Water supply forecasting

SNOWPACKS
UF Drift (snow)
RT Avalanches
Drift
Mountain forests
Slopes
Water equivalent
Water supply forecasting
Water yield

SNOWPLOWS
USE SNOW VEHICLES

SNOWSLIDES
USE AVALANCHES

SNOWSTORMS
BT Storms
RT Snow
Wind (meteorology)

SNOW VEHICLES
UF Snowplows
BT Ground vehicles
Motor vehicles

SOAPS
RT Detergents
Domestic water
Surfactants

SOCIAL ACCOUNTS
BT Economics
RT Planning

SOCIAL ADJUSTMENT
BT Social aspects
RT Sociology

SOCIAL ASPECTS
NT Rural sociology
Social adjustment
Social impact
Urban sociology
RT Decision making
Economics
Education
Environments
Federal government
Human resources
Industries
Local governments
Management
Population
Psychological aspects
Recreation
Social change
Social function
Social needs
Social participation
Social sciences
Social values
Sociology

SOCIAL BEHAVIOR
BT Animal behavior
Behavior
RT Environmental effects
Habitats
Population
Recreation
Sociology

SOCIAL CHANGE
RT Social aspects
Social sciences
Sociology

SOCIAL CHANGE
UF Social revolution
RT Change agents
Community change
Educational sociology
Political socialization
Social attitudes
Social influences
Social values
Sociocultural patterns

SOCIAL CHARACTERISTICS
USE SOCIAL CONDITIONS

SOCIAL CLASSES
USE SOCIAL STRUCTURE

SOCIAL CONDITIONS
UF Social characteristics
NT Church and social problems
RT Poverty
Social planning
Urban analysis

SOCIAL FUNCTION
RT Planning
Social aspects

SOCIAL IMPACT
BT Social aspects
RT Employment
Recreation
Sociology

SOCIAL INFLUENCES
NT Population growth
Rural urban differences
RT Cultural factors
Cultural conflict
(Continued)

SOCIAL INFLUENCES (Continued)
RT Educational sociology
Political sociolization
Social adjustment
Social attitudes
Social changes
Social characteristics
Social development
Social environment
Social experience
Social immaturity
Social opportunities
Social relations
Social status
Social values
Socioeconomic influences

SOCIAL INSTITUTIONS
NT Churches
Family
Religious institutions
RT Education

SOCIAL MOBILITY
RT Migrations
Planning
Urban sociology

SOCIAL NEEDS
RT Social aspects
Sociology

SOCIAL ORDERS
USE SOCIOLOGY

SOCIAL PARTICIPATION
RT Social aspects

SOCIAL PLANNING
BT Planning
RT Economic security
Ethical issues
Ethics
Social change
Social conditions
Time lag

SOCIAL PROBLEMS
UF Sociology
RT Ghettos

SOCIAL PSYCHOLOGY
BT Psychology
RT Human ecology
Social work

SOCIAL RELATIONS
    NT Community action

SOCIAL REVOLUTION
    USE SOCIAL CHANGE

SOCIAL SCIENCES
    BT Sciences
    NT Economics
       Geography
       History
       Legislation
       Political science
       Psychology
       Rural sociology
       Sociology
       Urban sociology
    RT Social aspects
       Social change
       Social values

SOCIAL SERVICE
    BT Social welfare
    NT Community centers
       Church and social problems
    RT Community health services

SOCIAL STRATIFICATION
    USE SOCIAL STRUCTURE

SOCIAL STRATIFICATION
    BT Cultural behavior

SOCIAL STRUCTURE
    UF Social classes
       Social stratification
    NT Family
       Rural social structure
    RT Social organization
       Socioeconomic status

SOCIAL VALUES
    BT Value
    NT Rural values
    RT Social aspects
       Social sciences
       Sociology

SOCIAL WELFARE
    NT Social service
    RT Local government
       Poor
       Poverty

SOCIETIES
    UF Associations
       Clubs
    BT Organizations
    NT Agricultural societies
       Boy scouts
       Camp fire girls
       Girl scouts
       Historical societies
       Library societies
       Peace societies
       Scientific societies
       Urban societies

SOCIOECONOMIC STATUS
    RT Economics
       Social structure
       Status

SOCIOLOGY
    UF Social orders
       Social problems
    BT Behavioral sciences
       Social sciences
    NT Human ecology
       Rural sociology
       Urban competitions
       Urban conceptions of democracy
       Urban problems
       Urban social structure
       Urban sociology
    RT Behavior
       Communication
       Ecology
       Education
       Organizations
       Recreation
       Social aspects
       Social change
       Social adjustment
       Social behavior
       Social needs
       Social impact
       Social values
       Urbanization

SOD
    USE TURF

SODIUM
    BT Alkali metals
       Chemical elements
       Metals
       (Continued)

SODIUM (Continued)
RT Sodium alloys
Sodium carbonate
Sodium compounds
Sodium nitrates
Sodium phosphates
Sodium radioisotopes
Sodium silicate
Sodium sulfate

SODIUM-AFFECTED SOILS
BT Soil types
NT Solonetz
Takyrs
RT Alkalinity
Desert soils

SODIUM ALLOYS
BT Alloys
Metals
RT Sodium

SODIUM CHLORIDE
BT Chlorides
Halides
Sodium halides
Sodium inorganic compounds
RT Rock salt
Seasonings

SODIUM CYANIDES
RT Cyanides

SODIUM HALIDES
BT Halides
Sodium inorganic compounds
NT Sodium bromide
Sodium chloride
Sodium fluorides
Sodium iodides

SODIUM INORGANIC COMPOUNDS
NT Sodium chloride
Sodium halides
Sodium nitrates

SODIUM NITRATES
BT Inorganic nitrates
Nitrogen inorganic compounds
Sodium inorganic compounds

SODIUM RADIOISOTOPES
BT Chemical elements
Isotopes
Metals
Radioisotopes
RT Sodium

SOFTWOOD
BT Building materials
Materials
Wood
RT Coniferous forests
Coniferous trees
Deciduous forests
Deciduous trees
Forests
Lumber
Trees

SOIL AERATION
RT Soil-plant-animal relationships

SOIL AGGREGATES
BT Aggregates
Granular materials
RT Earth materials
Minerals
Soil structure
Soils

SOIL ALGAE
BT Algae
Microorganisms
Plants (botany)
Soil microorganisms

SOIL AMENDMENTS
BT Additives
RT Organic matter
Soil management
NT Gypsum (soil amendment)

SOIL ANALYSIS
UF Soil testing
BT Analysis
RT Chemical analysis
Evaluation
Geochemistry
Nutrients
Soilmechanics
Soil physical properties
Soil properties
Soil samplers
(Continued)

SOIL ANALYSIS (Continued)
RT Soil tests
Soils
Tests

SOIL BACTERIA
BT Bacteria
Microorganisms
Plants (botany)
Soil microorganisms
RT Nitrogen fixing bacteria
Rhizosphere
Soil sterilants
Sulfate reducing bacteria

SOIL BIOLOGY
BT Biology
NT Soil microbiology
RT Soil-plant-animal relations

SOIL-BORNE DISEASEs
BT Diseases
RT Epiphytology
Soil sterilants

SOIL CEMENT
BT Cements
Construction materials
RT Earth dams
Earth materials
Earth wall construction
Lined canals
Pavements
Plaster and plastering
Portland cements
Soils

SOIL CHEMICAL PROPERTIES
BT Chemical properties
Properties
Soil properties
RT Conductivity
Soils
Wettability

SOIL CHEMISTRY
BT Chemistry
Geochemistry
RT Chemical properties
Corrosion control
Soil mechanics
Soil physical properties
Soil properties
Soils

SOIL CLASSIFICATIONS
UF Unified soil classifications
BT Classifications
RT Colloids
Earth materials
Field classifications
Gradation analysis
Gravels
Land classification
Mechanical analysis
Silts
Soil formation
Soil groups
Soil horizons
Soil physical properties
Soil properties
Soils
Soil test
Soil types
Soil science

SOIL COMPACTING
BT Compacting
RT Soil mechanics

SOIL COMPACTION
BT Compaction
RT Soil stabilization

SOIL COMPONENTS
UF Components (soil)
RT Clays
Colloids
Earth materials
Fines
Gravels
Minerals
Organic matter
Sands
Soils
Soil water

SOIL COMPRESSION TESTS
UF Compression tests (soil)
BT Compression tests
Materials tests
Soil tests
Tests
RT Axial compression
Bearing capacity
Compression
Shear tests
Soil properties
Undrained shear tests

SOIL CONSERVATION
UF Land conservation
BT Conservation
Natural resource conservation
Resource conservation
RT Civil engineering
Conservation education
Contouring
Cover crops
Cultivation
Drainage
Erosion control
Land
Mass wasting
Mulching
Reclamation
Runoff
Soil management
Reforestation
Soils
Vegetation establishment
Wildlife management

SOIL CONSOLIDATION TESTS
UF Consolidation tests (soil)
BT Materials tests
Soil tests
Tests
RT Consolidation
Deformation
Settlement (structural)
Soil properties

SOIL CONTAMINATION
UF Pollution (soils)
BT Contamination
RT Agricultural chemicals
Industrial wastes
Pollution control
Radioactivity
Toxins

SOIL CONTAMINATION EFFECTS
BT Effects
RT Diseases
Phytotoxicity
Toxicity
Water pollution

SOIL DENSITY
BT Density
Physical properties
Soil physical properties
Soil properties
RT Nuclear meters
Void ratio

SOIL DENSITY PROBES
UF Density probes (soil)
Sediment density probes
BT Instrumentation
RT Nuclear meters

SOIL DISPERSANTS
BT Chemicals
Dispersants
RT Dispersions
Soil treatment

SOIL DISPOSAL FIELDS
UF Disposal fields
Drain field
RT Aerobic bacteria
Biodegradation
Soil physical properties
Soil properties
Waste treatment

SOIL DYNAMICS
BT Dynamics
Soil mechanics
RT Damping
Elastic waves
Seismic waves
Vibration
Wave propagation

SOIL ENGINEERING
BT Civil engineering
Engineering
RT Earth materials
Soils
Soil tests

SOIL ENVIRONMENT
BT Environments
RT Cultivation
Rhizosphere
Soil management
Soil moisture
Soil physical properties
(Continued)

SOIL ENVIRONMENT (Continued)
- RT Soil properties
  - Soils
  - Soil types
  - Soil water

SOIL EROSION
- UF Land erosion
- BT Erosion
- RT Eolian soils
  - Landslides
  - Precipitation excess
  - Rain
  - Runoff
  - Sheet erosion
  - Sheet flood
  - Slopes
  - Soils
  - Soil structure
  - Strip cropping
  - Water erosion

SOIL EVOLUTION
- USE SOIL GENESIS

SOIL FERTILITY
- RT Plant growth
  - Plant nutrition

SOIL FORMATION
- UF Soil genesis
- RT Detrital soils
  - Soil classifications

SOIL FUNGI
- BT Fungi
  - Microorganisms
  - Plants (botany)
  - Soil microorganisms
- RT Rhizophere

SOIL GASES
- BT Gases
- RT Oxygen

SOIL GENESIS
- UF Soil evolution
  - Soil formation
- RT Soil science

SOIL GROUPS
- NT Brown soils
  - Chernozems
  - Chestnut soils
  - (Continued)

SOIL GROUPS (Continued)
- NT Gray-brown podzolic soils
  - Laterites
  - Podzols
  - Prairie soils
  - Red podzolic soils
  - Sierozems
  - Yellow podzolic soils
- RT Pedalfers
  - Pedocals
  - Regions
  - Soil classifications
  - Soil investigations
  - Soils
  - Soil types

SOIL HORIZONS
- NT A horizon
  - B horizon
  - C horizon
  - Subsoil
  - Topsoil
- RT Land classification
  - Profiles
  - Soils
  - Soil classifications
  - Soil investigations
  - Soil maps
  - Soil profiles
  - Stratigraphy
  - Strata

SOIL IMPROVEMENT
- USE SOIL MANAGEMENT

SOIL INVESTIGATIONS
- UF Soil properties
- BT Investigations
- RT Borehole cameras
  - Borrow areas
  - Earth dams
  - Earth materials
  - Field classifications
  - Field investigations
  - Geologic investigations
  - Logging (recording)
  - Maps
  - Pits
  - Sampling
  - Soil groups
  - Soil horizons
  - Soil properties
  - Soils
  - (Continued)

SOIL INVESTIGATIONS (Cont)
    RT Soil samplers
        Soil tests
        Soil types
        Surveying
        Surveys
        Trenches

SOIL LEACHING
    USE LEACHING

SOIL LIME MIXTURES
    USE LIME SOIL MIXTURES

SOIL LIQUEFACTION
    BT Liquefaction
    RT Earthquakes
        Failure (mechanics)
        Moisture content
        Sands
        Soils
        Vibration

SOIL MANAGEMENT
    UF Soil improvement
    BT Management
    NT Contour farming
        Cultivation
        Deep tillage
        Fallowing
        Stubble mulching
    RT Agronomic crops
        Cereal crops
        Crops
        Erosion control
        Forages
        Infiltration
        Irrigation practices
        Land management
        Land reclamation
        Leaching
        Mulching
        Pasture management
        Soil moisture
        Soils
        Soil water
        Soil amendments
        Soil environment
        Soil conservation
        Soil moisture
        Soil reclamation
        Soil sterilants
        Soil treatment
        Soil-water-plant relationships
        (Continued)

SOIL MANAGEMENT (Continued)
    RT Strip cropping
        Terracing

SOIL MAPS
    BT Maps
    RT Mapping
        Photointerpretation
        Soil horizons
        Soil types
        Soil surveys

SOIL MECHANICS
    NT Soil dynamics
    RT Earthwork
        Elastic theory
        Excavation
        Field tests
        Foundations
        Landslides
        Mechanical properties
        Porous materials
        Shear properties
        Soil properties
        Soils
        Soil analysis
        Soil chemistry
        Soil compacting
        Soil physics
        Soil science
        Water pressure
    BT Mechanics

SOIL MICROBIOLOGY
    BT Microbiology
    RT Rhizosphere

SOIL MICROORGANISMS
    BT Microorganisms
    NT Clostridium
        Soil algae
        Soil bacteria
        Soil fungi
    RT Rhizosphere
        Soil sterilants

SOIL MOISTURE
    UF Rhizic water
        Soil water
        Uniform soil moisture conditions
    BT Moisture
        (Continued)

SOIL MOISTURE (Continued)
NT Capillary water
Excess water (soils)
Field capacity
Fringe water
Hygroscopic water
Moisture equivalent
RT Diffusion
Evapotranspiration
Fallowing
Field capacity
Heaving
Humidity
Infiltration
Moisture content
Retention
Root zone
Soils
Soil types
Soil water
Subsurface waters
Water content
Water utilization
Zone of aeration
Soil moisture movement
Soil moisture meters
Soil management
Soil environment
Soil-water-plant relationships
Soil water movement
Soil temperature
Soil-plant-animal relationships
Soil water storage
Soil-water relationship
Subsurface moisture
Watershed management
Wilting point

SOIL MOISTURE METERS
UF Soil moisture probe
BT Equipment
Instrumentation
Measuring instruments
Moisture meters
RT Bouycucos blocks
Moisture content
Nuclear meters
Soil moisture

SOIL MOISTURE MOVEMENT
RT Drainage
Ground water
Seepage
Soil moisture
Soils
Soil water
Wettability

SOIL MOISTURE PROBE
USE SOIL MOISTURE METERS

SOIL PHYSICAL PROPERTIES
BT Physical properties
Properties
Soil properties
NT Field capacity
Moisture equivalent
Soil density
Soil strength
Soil temperature
RT Compaction
Conductivity
Earth materials
Fertility
Heaving
Hydrologic properties
Infiltration
Mechanical analysis
Plasticity
Pore pressure
Soils
Soil analysis
Soil environment
Soil disposal fields
Soil classifications
Soil chemistry
Soil resistivity
Soil water movement
Vapor pressure

SOIL PHYSICS
BT Physics

SOIL PIPES
BT Pipes (tubes)
Tubes

SOIL PLANT ANIMAL RELATIONSHIPS
RT Irrigation efficiency
Soil aeration
Soil biology
Soil moisture
Stubble mulching

SOIL-PLANT-WATER RELATIONSHIPS
USE SOIL-WATER-PLANT relationships

SOIL PLASTICITY
BT Mechanical properties
Plasticity
RT Atterberg limits
Consistency
Soil properties
Soils
Soil tests

SOIL PRESSURE
BT Pressure
RT Loads (forces)
Stresses

SOIL PROFILES
UF Soil sections
BT Profiles
NT Topsoil
Subsoil
RT A horizon
B horizon
C horizon
Logging (recording)
Soils
Soil types
Storage capacity

SOIL PROPERTIES
UF Soil investigations
NT Soil density
Soil chemical properties
Soil physical properties
Soil stability
Soil strength
Soil structure
Soil resistivity
Soil texture
Soil temperature
RT Earth resistivity (electrical)
Fertility
Infiltration
Irrigation effects
Plasticity
Soils
Soil analysis
Soil chemistry
Soil classification
Soil compression tests
Soil consolidation tests
Soil disposal fields
Soil environment
(Continued)

SOIL PROPERTIES (Continued)
RT Soil investigations
Soil mechanics
Soil Physics
Soil plasticity
Soil suction
Soil tests
Soil water movement
Wettability

SOIL RECLAMATION
BT Reclamation
RT Alkaline soils
Drainage
Irrigation
Soil management

SOIL RESISTIVITY
BT Resistivity
Soil properties
RT Boundaries (surfaces)
Soil physical properties

SOIL SAMPLERS
BT Samplers
RT Samples
Sampling
Soils
Soil tests
Soil analysis
Soil investigations

SOIL SANITATION
BT Plant disease control

SOIL SCIENCE
UF Pedology
RT Geology
Soil classifications
Soil mechanics
Soils
Soil physics
Soil genesis
Soil surveys

SOIL SEALANTS
BT Sealants
RT Seepage

SOIL SECTIONS
USE SOIL PROFILES

SOIL SHRINKAGE
BT Shrinkage
RT Consolidation
Drying
Soils
Water content

SOIL STABILIZATION
BT Stabilization
NT Sand control
RT Soil compaction
Erosion control
Soils
Slope stability
Slope stabilization

SOIL STABILITY
BT Soil properties
Stability
RT Biological properties
Failure (mechanics)
Landslides
Physicalproperties
Slope stability
Soils
Stability analysis

SOIL STERILANTS
BT Chemicals
Pesticides
Poisons
Sterilants
RT Fumigants
Pest control
Soil bacteria
Soil-borne disease
Soil management
Soil microorganisms

SOIL STRENGTH
BT Physical properties
Properties
Soil physical properties
Soil properties
Strength
RT Physical properties
Pore pressure

SOIL STRUCTURE
BT Soil properties
RT Soil aggregates
Soil erosion
Soils
Stability

SOIL SUCTION
BT Suction
RT Negative pressure
Soil properties

SOIL SURFACES
BT Surfaces
RT Earth-water interfaces
Mulching
Vegetation establishment

SOIL SURVEYS
BT Surveys
RT Soil maps
Soil science
Site surveys

SOIL TEMPERATURE
BT Soil physical properties
Soil properties
Temperature
RT Soil moisture
Soil water

SOIL TESTING
USE SOIL ANALYSIS

SOIL TESTS
BT Materials tests
Tests
NT Soil compression tests
Soil consolidation tests
RT Field tests
In situ tests
Mechanical tests
Soil plasticity
Soil properties
Soil analysis
Soil investigations
Soil engineering
Soil classifications
Shear tests
Soil samplers
Wave propagation

SOIL TEXTURE
BT Soil properties
RT Clays
Fine-textured soils
Gravels
Sands
Silts

SOIL TREATMENT
BT Treatment
RT Application methods
Cultivation
Pest control
Pesticides
Retarding agents
Soil dispersants
Soil management
Soils

SOIL TYPES
NT Entisols
Eolian soils
Crusts
Desert soils
Irrigated soils
Sodium affected soils
Acidic soils
Aeolian soils
Alkaline soils
Alluvium
Aquatic soils
Azonal
Beach sands
Calcareous soils
Dune sands
Expansive clays
Expansive soils
Finegrained soils
Fine-textured soils
Forest soils
Frozen soils
Gravels
Lake soils
Loams
Loess
Organic clays
Organic silts
Organic soils
Pedocals
Permafrost
Pervious soils
Podzols
Prairie soils
Quick clays
Quicksand
Red podzolic soils
Saline soils
Saturated soils
Sierozems
Silts
Silty loams
Topsoil
(Continued)

SOIL TYPES (Continued)
NT Yellow podzolic soils
RT Humus
Infiltration
Soil classifications
Soil environment
Soil groups
Soil investigations
Soil maps
Soil moisture
Soil profiles
Soil-water-plant relationships
Wind action

SOIL WATER
UF Soil moisture
BT Water
NT Adsorbed water
Capillary water
Excess water (soils)
Fringe water
Hydroscopic water
Vadose water
RT Ground water
Infiltration
Leaching
Outflows
Zone of aeration
Water influx
Soil physics
Soil temperature
Soil water movement
Soil water relationship
Soil water storage
Soil-water-plant relationships
Soil components
Soil environment
Soil management
Soil moisture
Soil moisture movements
Unsaturated soils
Subsurface moisture

SOIL WATER MOVEMENT
BT Flow
Movement
RT Darcys law
Diffusion
Drainage
Evaporation
Evapotranspiration
Outflows
(Continued)

SOIL WATER MOVEMENT (Continued)
RT Pervious soils
Recharge
Soil moisture
Soil physical properties
Soil properties
Soil water
Unsaturated flow
Water table
Zone of aeration

SOIL-WATER-PLANT RELATIONSHIPS
UF Plant-soil-water relationships
Plant-water-soil relationships
Soil-plant-water relationships
Water-plant-soil relationships
Water-soil-plant relationships
RT Biology
Irrigation practices
Root zone
Roots
Soil management
Soil moisture
Soil types
Soil water
Stubble mulching

SOIL-WATER RELATIONSHIP
RT Ground water
Irrigation
Outflows
Soil moisture
Soil water

SOIL WATER STORAGE
BT Storage
Water storage
RT Ground water
Soil moisture
Soil water

SOILS
UF Earth (soil)
BT Earth materials
NT Aeolian soils
Alluvium
Boulder clay
Calcareous soils
(Continued)

SOILS (Continued)
NT Clay soils
Cohesive soils
Colluvium
Frozen soils
Fullers earth
Glacial till
Gravels
Impervious soils
Lacustrine soils
Laterites
Loams
Loess
Mud
Noncohesive soils
Organic soils
Peat
Permafrost
Pervious soils
Residual soils
Saline soils
Sands
Saturated soils
Silts
Subsoil
Tundra
Alkaline soils
Aquatic soils
Finegrained soils
Diatomaceous soils
Dune sands
Clays
Loose soils
Organic clays
Organic silts
Podzols
Preconsolidated soils
Red podzolic soils
Sierozems
Silty loams
Topsoils
Unsaturated soils
Yellow podzolic soils
Beach sands
Intrazonal soils
Acidic soils
Frozen ground
Kaolin
Soil types
Quick clays
Expansive soils
Expansive clays
RT Earth dams
(Continued)

SOILS (Continued)
RT Embankments
Formations
Land
Soil aggregates
Soil analysis
Soil chemistry
Soil classifications
Soil conservation
Soil erosion
Soil horizons
Soil mechanics
Soil physics
Soil properties
Soil science
Soil stabilization
Soil structure
Geologic formations
Lime soil mixtures
Soil chemical properties
Soil cement
Stratification
Soil plasticity
Soil profiles
Soil samplers.
Soil components
Soil engineering
Soil environment
Soil groups
Soil investigations
Soil liquefaction
Soil management
Soil moisture
Soil moisture movement
Soil physical properties
Soil Shrinkage
Soil stability
Soil treatment
Terrestrial habitats

SOLAR ENERGY
USE SOLAR RADIATION

SOLAR NOISE
USE ELECTRODMAGNETIC NOISE

SOLAR RADIATION
UF Solar energy
BT Radiation
Transport phenomena
RT Energy
Evaporation
Meteorology

SOLAR RADIATION PRESSURE
USE RADIATION PRESSURE

SOLENOPSIS
RT Pests (insects)

SOLID STATE PHYSICS
RT Solids

SOLID WASTE DISPOSAL
BT Waste management
RT Incineration
Refuse disposal

SOLID WASTES
BT Wastes
NT Litter
Wood wastes
RT Biodegradation
Coagulation
Incineration
Organic matter
Sludge
Solids
Ultimate disposal
Waste dumps

SOLIDIFICATION
RT Solids

SOLIDS
RT Fluids
Gases
Mechanical properties
Physical properties
Solidification
Solid state physics
Solid wastes
Strength of materials

SOLIFLUCTION
UF Mud glaciers
BT Erosion
Mass wasting
RT Colluvium
Debris avalanches

SOLODIZED-SOLONETZ SOILS
BT Intrazonal soils

SOLONCHAK SOILS
BT Intrazonal soils

SOLONETZ SOILS
BT Intrazonal soils

SOLOTH SOILS
BT Intrazonal soils

SOLUBILITY
BT Chemical properties
RT Aqueous solutions
Chemical stability
Concentration
Crystallization
Decomposition
Dispersion
Dissolved gases
Dissolved oxygen
Dissolved solids
Immiscibility
Leaching
Mixing
Mixtures
Oxygenation
Phase diagrams
Physical properties
Precipitation (chemistry)
Rock properties
Saturation
Soluble salts
Solutes
Solutions
Solvation
Solvent extractions
Solvents
Thermal properties
Thixotropy

SOLUTES
NT Dissolved gases
Dissolved oxygen
RT Solutions
Solvents
Solubility
Wastes

SOLUTIONS
RT Saturation
Saline water
Solubility
Solutes
Dissolved solids

SOLVENTS
RT Leaching
Liquids
Solutes

SONIC BOOM
BT Aircraft noise
Elastic waves
Mechanical waves
Noise (sound)
Sound waves

SONICS
USE SOUND WAVES

SORGHUM
UF Forest sorghum
Grain sorghum
Sorghum vulgare
BT Agronomic crops
Cultivated grasses
Crops
Field crops
Grasses
Monocots
Plants (botany)
RT Cereal crops
Forage grasses
Grains (crops)
Johnsongrass
Silage
Sudan grass

SORGHUM VULGARE
USE SORGHUM

SORPTION
RT Absorption
Adsorption
Chromatography
Concentration
Desorption
Extraction
Interfaces
Separation
Surface properties

SOUND
UF Sound waves
RT Noise control

SOUND ABSORPTION
USE ACOUSTIC ABSORPTION

SOUND MEASUREMENT
USE ACOUSTIC MEASUREMENT

SOUND PRESSURE
    UF Acoustic pressure
    BT Pressure
        Radiation pressure
    RT Acoustic measurement
        Acoustic velocity
        Explosions
        Flux density
        Loudness
        Noise (sound)
        Shock waves
        Sound waves

SOUND WAVES
    UF Sound
    BT Elastic waves
        Mechanical waves
    NT Aircraft noise
        Jet engine noise
        Sonic boom
    RT Shock waves
        Seismic waves

SOUND WAVES
    UF Sonics
        Sound
    BT Waves
    NT Earthquakes
        Engine noise
        Seismic waves
    RT Acoustics
        Noise
        Refraction

SOWING
    USE SEED PLANTING

SOYBEANS
    RT Grains (crops)

SPACE
    BT Geographic concepts
        Spatial analysis
        Spatial concepts
        Spatial theory
    NT Open spaces
    RT Space utilization

SPACE CONSIDERATIONS
    UF Floor area
        Livability
        Office space
        (Continued)

SPACE CONSIDERATIONS (Continued)
    RT Architecture - design
        House size
        Room sizes
        Family living requirements

SPACE COSTS
    RT Buildings
        Redevelopment

SPACE ECONOMY
    BT Spatial location
        Spatial relations

SPACE ENVIRONMENT
    USE AEROSPACE ENVIRONMENT

SPACE PERCEPTION IN GEOGRAPHY
    USE SITE SELECTION

SPACE PLANNING
    BT Planning

SPACE RADIATION
    USE EXTRATERRESTRIAL RADIATION

SPACE REQUIREMENTS
    BT Planning analysis
    RT Space utilization

SPACE UTILIZATION
    BT Spatial analysis
    RT Space
        Space requirements

SPACECRAFT TRAJECTORIES
    BT Trajectories
    NT Earth moon trajectories

SPATIAL ANALYSIS
    RT Suburbia
        Urban land

SPACING OF CITIES
    BT Central placing theory

SPACING
    RT Clearances

SPATIAL ANALYSIS
    UF Urban geography
    BT Spatial patterns
        Location theory
        (Continued)

SPATIAL ANALYSIS (Continued)
BT Urban dispersal
Urban concentrations
Urban centrality
Spatial variation
Spatial structure
Spatial interaction
NT Space
Sector pattern
Radial corridor development
Population pattern
Population distribution
Parking patterns
Nodality
Neighborhood density
Clustered pattern
City blocks
Central places
Central growth
Business centers
Azonal factors
Transition zones
Intensity patterns
Central business districts
Zone of dispersion
Zonal expansion
Suburban growth
Residential land development
Residentaal land Development patterns
Regional patterns
Multicentered pattern
Land utilization
Intrametropolitan patterns
Intracity patterns
Industry clusters
Industrial land
General location theory
Concentric zone theory

SPATIAL AREA
RT Market areas

SPATIAL CONCEPTS
NT Space

SPATIAL DISTRIBUTION
BT Regional analysis
NT Ecology

SPATIAL DISTRIBUTION
BT Distribution
RT Ecological distribution
Migration patterns

SPATIAL INTERACTION
BT Geographic theory
Spatial analysis

SPATIAL LOCATION
BT Regions
NT Decentralization
Diversification
Factor mobility
Market areas
Market boundaries
Regions
Satellite communities
Sites
Space economy
Spatial analysis
Subdivisions
Subregional
Subraregional
Townships
Urban land use theory
RT Homestead
Investment policy
Isometric potential map
Metro
Metropolitan

SPATIAL PATTERNS
BT Functional nonfunctional areas
Spatial analyses
NT Block
Business districts
Central area
Central business districts
City plattern of settlement
City patterns of land use
Cluster city
Community centers
Downtown district
Functional nonfunctional areas
Landscape
Metropolitan areas
Metropolitan districts
Municipal boundaries
Natural division
Natural location
(Continued)

SPATIAL PATTERNS (Continued)
NT Neighborhoods
Nodality
One way streets
Regional decentralization
Residential suburbs
Slums
Spread city
Urban decentralization
Urban distribution
Zones

SPATIAL RELATIONS
BT Urban geography
NT Deghettoization
Distribution
Space economy

SPATIAL STRUCTURE
BT Geographic theory
Spatial analysis

SPATIAL THEORY
NT Space

SPATIAL VARIATION
BT Geographic concepts
Spatial analysis

SPECIAL ASSESSMENTS
RT Street frontage

SPECIAL FUNCTION CITIES
BT Types of cities

SPECIALIZED CENTERS
BT Types of cities

SPECIALIZED CITIES
BT Types of cities
Cities

SPECIALIZED FUNCTION CITIES
BT Types of cities

SPECIATION
RT Ecotypes
Systematics

SPECIFIC CAPACITY
RT Aquifers
Aquifer tests
(Continued)

SPECIFIC CAPACITY
RT Discharge (water)
Drawdown
Ground water
Pumping
Water wells
Wells

SPECIFIC GRAVITY
USE SENSITY (MASS/VOLUME)

SPECIFIC VOLUME
USE DENSITY (MASS/VOLUME)

SPECIFIC WEIGHT
USE DENSITY (MASS/VOLUME)

SPECTRA
NT Electromagnetic spectra
Emission spectra

SPECTROGRAPHY
USE SPECTROSCOPY

SPECTROSCOPY
UF Spectrography
BT Analytical techniques
NT Emission spectroscopy

SPECULATION (ECONOMICS)
NT Land speculation

SPEED
USE VELOCITY

SPEED CHANGE LANES
BT Expressways
Highways

SPEEDWALKS
BT Urban transit

SPENT LIQUORS (PULPING)
BT Industrial wastes

SPENT SULFITE LIQUORS
BT Industrial wastes

SPELTER
USE ZINC

SPHAGNUM SPECIES
USE MOSSES

SPHERE OF INFLUENCE
BT Geographic relationships

SPILLWAY PIERS
BT Piers

SPILLWAYS
BT Hydraulic structures
Structures
NT Chute spillways
Closed conduit spillways
Morning glory spillway
Ogee crests
Shaft spillways
Side channel spillways
Ski-ump spillways
RT Bypasses
Concrete structures
Dam construction
Dam design
Dams
Debris barriers
Discharge (water)
Earth dams
Floods
Floodways
Flow control
Fluid flow
Gates
Grassed waterways
Hydraulic gates
Large structures
Outlets
Outlet works
Overtopping
Plunge basins
Water tunnels (conveyance)
Weirs
Water surface
Wasteways
Water control
Self-spillway dams

SPOIL
RT Spoil banks
Refuse

SPOIL BANKS
RT Acidic soils
Spoil
Stockpiling
Strip mines
Vegetation establishment

SPORT FISHING
BT Fishing
Recreation
Water sports

SPOTS
BT Plant diseases

SPOTLIGHTS
USE LIGHTING EQUIPMENT

SPOTTED BASS
USE BASS

SPRAWL
BT Urban development
NT Urban sprawl
RT Suburbs

SPRAYERS
UF Spraying
RT Water impingement

SPRAYING
BT Application methods
RT Air pollution
UF Sprayers
NT Aerial spraying
RT Diffusion
Fertilizer application
Fumigation
Paints
Pest control
Propagation
Sprays
Vaporizing

SPRAYS
RT Aeration
Application equipment
Application methods
Evaporation
Foliar application
Mist irrigation
Pesticide drift
Spraying
Sprinkler irrigation

SPREAD CITY
BT Community types
Spatial patterns
Types of cities
Urban regions

SPREADING
USE WATER SPREADING

SPREADING AREAS
USE SPREADING BASINS

SPREADING BASINS
UF Spreading areas
BT Basins
RT Aquifers
Artificial recharge
Ground water
Ground water recharge
Infiltration
Percolation
Pit recharge
Recharge
Recharge wells
Sewage treatment plants
Sewage works
Water conservation
Water management (applied)
Water spreading

SPRINGS (WATER)
BT Bodies of water
Running waters
Water types
NT Cold springs
Hot springs
Lake bottom springs
Thermal springs
Warm springs
RT Ground water
Ground water flow
Ground water geology
Ground water movement
Infiltration galleries
Intermittent streams
Saturated zones
Seepage
Springs (water)
Water holes
Water sources

SPRINKLER IRRIGATION
BT Irrigation systems
RT Crop production
Demand (irrigation systems)
Distribution systems
Gold courses
Irrigation
Irrigation pipes
(Continued)

SPRINKLER IRRIGATION (Continued)
RT Irrigation practices
Lawns
Pipes
Pumps
Rainfall simulators
Sprays
Sprinkling

SPRINKLING
RT Sprinkler irrigation

SQUIRRELS
BT Eutheria
Mammals
Rodents
Unguiculata
Vertebrates

STABILITY
NT Bank stability
Electrical stability
Slope stability
Soil stability
Structural stability
RT Bearing capacity
Chemical properties
Consolidation
Damping
Decomposition
Degradation (decomposition)
Durability
Erosion
Failure (mechanics)
Safety factors
Soil structure
Foundations
Life expectancy
Mechanical properties
Physical properties
Plasticity
Reinforcement
Reliability
Resistance
Slopes
Stability analysis
Stabilization
Strength

STABILITY ANALYSIS
RT Stability
Structural stability
Earth dams
(Continued)

STABILITY ANALYSIS (Continued)
RT Dam design
Landslides
Safety factors
Sliding resistance
Soil stability

STABILIZATION
NT Bank stabilization
Slope stabilization
Soil stabilization
Stream stabilization
RT Consolidation
Control
Reinforcement
Stability

STABILIZATION PONDS
USE OXIDATION LAGOONS

STABILIZED EARTH
USE EARTH WALL CONSTRUCTION

STABLES
BT Farm buildings

STAGES OF GROWTH
USE GROWTH STAGES

STAGES (LAKE)
USE LAKE STAGES

STAGES (RESERVOIR)
USE RESERVOIR STAGES

STAGES (WATER)
USE WATER LEVELS

STAGNANT WATER
BT Water types
RT Marshes
Organic matter
Swamps
Wetlands

STAINLESS STEEL
BT Alloys
Construction materials
Iron alloys
Metals
Steel
RT Chromium alloys
Corrosion control
(Continued)

STAINLESS STEEL (Continued)
RT Equipment
Low alloy steels
Low carbon steel
Metallurgy
Metal pipes
Nickel alloys
Trashracks

STAIRS
RT Architectural details
Building construction
Interior decoration

STAND VALUE
USE FOREST APPRAISAL

STANDARD COSTS
USE STANDARDS

STANDARD METOPOLITAN AREA
RT Urban fields

STANDARD METROPOLITAN STATISTICAL AREA
BT Census areas
Data retrieval
Metropolitan areas
Statistics
Urban area classification

STANDARD OF LIVING
UF Family income and expenditure
BT Urban societies
NT Income brackets
RT Income
Luxuries
Measurements
Pensions
Populations

STANDARDIZATION
RT Building materials-standards and specifications
Building standards
Coordinated components
Grading (agricultural products)
Modular coordination
Quality control

STANDARDS
UF Codes (standards)
Industrial standards
References (standards)
(Continued)

STANDARDS (Continued)
UF Standard costs
Weights and measures
NT Boiler codes
Building codes
Cesium frequency standards
Design standards
Electrical codes
Engineering standards
Frequency standards
Maintenance standards
Performance standards
Primary standards
Rubidium frequency standards
Time standards
RT Measurement
Reliability
Water pollution

STANDARDS
NT Building codes
Codes
Water quality standards
RT Industrial engineering
Tolerances (mechanics)

STANDBY GENERATORS
USE STANDBY POWER

STANDBY POWER
UF Standby generators
BT Electrical power
Power
RT Electric power production

STANDING CROPS
BT Crops
Plants (botany)
RT Census
Harvesting
Plankton
Population
Productivity

STANDING WATERS
BT Bodies of water
NT Farm ponds
Iced lakes
Lakes
Multiple purpose reservoirs
Playa lakes
Ponds
(Continued)

STANDING WATERS (Continued)
NT Reservoirs
Saline lakes
Stock ponds
Strip mine lakes
Swamps
Waste stabilization ponds
Wetlands
RT Marshes
Running waters
Surface waters
Swamps
Water types
Wetlands

STARS
BT Astronomical bodies
NT Sun
RT Astronomy

STATE AID
UF State grants in aid
BT Grants in aid
Public finance

STATE AIDED HOUSING PROGRAMS
UF Government assisted housing
Housing-state programs
State housing
RT Direct loans for housing
Direct state loans for housing
Housing
Public housing

STATE BONDS
BT Bonds
RT Finance
Investments

STATE BOUNDARIES
BT Boundaries

STATE CONSTITUTIONS
USE CONSTITUTIONS, STATE
CONSTITUTIONS, STATE (LAW)

STATE FARMS
UF Scvkhoz
BT Types of farms
RT Collective farming
Communes (China)

STATE FINANCE
UF Public spending policy
BT Budgets
Finance
RT State government
State tax

STATE GOVERNMENT
BT Government
Political systems
RT State finance
State legislation
State technical services

STATE GOVERNMENTS
BT Governments
RT Federal-state cooperation

STATE GRANTS IN AID
BT Intergovernmental relations
Public finance

STATE HOUSING
USE PUBLIC HOUSING
STATE AIDED HOUSING PROGRAMS

STATE JURISDICTION
BT Jursidiction
RT Water rights

STATE LANDS
USE PUBLIC LANDS

STATE LAW
USE LAW (JURISPRUDENCE)

STATE LEGISLATION
BT Legislation
NT Metropolitan planning
Enabling legislation
RT Intergovernmental relations
State government
State planning

STATE PARKS
BT Parks
RT Park distribution

STATE PLANNING
UF Provincial planning
BT Planning
NT City planning
County planning
(Continued)

STATE PLANNING (Continued)
NT Regional planning
State planning boards
RT State legislation
Planning
Regional planning
City planning
County planning
Master plan
Metropolitan area planning

STATE PLANNING BOARDS
BT State planning

STATE TAX
RT State finance

STATE TECHNICAL SERVICES
RT State government

STATES (GEOGRAPHICAL)
NT Utah

STATIC CITY
BT Types of cities

STATIC (INTERFERENCE)
USE ELECTROMAGNETIC INTERFERENCE

STATIC PROPERTIES
USE STATICS

STATICS
UF Static properties
BT Mechanics
Physics
RT Dynamics
Engineering mechanics
Loads (forces)
Moments
Strain
Stress
Structural analysis

STATIONS
NT Gaging stations
Hydrometeorological station
Pumping stations
Railroad stations
Stream gagin stations
Television stations
Weather stations
RT Sites

STATISTICAL ANALYSIS
    UF  Statistical methods
        Statistical tests
    BT  Analysis
        Mathematical analysis
    NT  Confidence limits
        Correlation analysis
        Frequency analysis
        Histograms
        Multiple regression
        Regression analysis
        Sequential analysis
        Time series analysis
    RT  Computer applications
        Management by exception
        Reliability
        Sampling
        Systems analysis

STATISTICAL METHODS
    UF  Statistical analysis
    NT  Correlation
        Estimates
        Experimental design
        Interpolation
        Least squares method
        Monte Carlo method
        Ranking
        Sampling (statistics)
    RT  Graphic methods

STATISTICAL MODELS
    RT  Systems analysis

STATISTICAL QUALITY CONTROL
    BT  Quality control
    RT  Chance causes

STATISTICAL SAMPLES
    BT  Population (statistics)

STATISTICAL TESTS
    USE STATISTICAL ANALYSIS

STATISTICAL UNIVERSE
    USE POPULATION (STATISTICS)

STATISTICS
    BT  Data
        Functional consolidations
        Methodlogy
    NT  Census
        Inverse correlation
        (Continued)

STATISTICS (Continued)
    NT  J curve
        Negative correlation
        Norm
        Positive correlation
        Sampling procedures
        Standard deviation
        Standard metropolitan statistical area
        Standard regression coefficients
        Statistical areas
    RT  Multiple regression model
        Population
        Residuals from regression
        Sampling (statistics)

STATISTICS
    BT  Mathematics
    RT  Data processing
        Tables (data)

STATUS
    RT  Socioeconomic status

STATUTES
    USE LEGISLATION

STEADY FLOW
    RT  Liquid flow
        Turbulence

STEAM ENGINES
    Excludes Steam turbines
    BT  Engines
        External combustion engines
        Piston engines
        Reciprocating engines
    RT  Compound engines
        Pumping engines
        Stationary engines
        Steam locomotives
        Steam turbines
        Stokers

STEAM PLANTS
    USE THERMAL POWERPLANTS

STEAM POWER
    USE THERMAL POWER

STEAM SHOVELS
    USE EARTH HANDLING EQUIPMENT

STEEL
BT Construction materials
Iron alloys
Materials
Metals
NT Cast steel
Cold-rolled steel
High strength steels
Low alloy steels
Low carbon steel
Prestressed steel
Reinforcing steel
Stainless steel
Structural steel

STEEL CONSTRUCTION
RT Earthquake resistant structures

STEEL FOUNDRIES
USE FOUNDRIES
STEEL PLANTS

STEEL INDUSTRIES
UF Steel mills
Steel plants
BT Industries

STEEL LININGS
BT Linings

STEEL MILLS
USE STEEL INDUSTRIES
STEEL PLANTS

STEEL PLANTS
UF Steel foundries
Steel mills
Steel works
BT Industrial plants
RT Iron and steel industry

STEEL PLATES
RT Dam facings
BT Plates

STEEL WORKS
USE STEEL PLANTS

STEEP SLOPE RENEWAL
BT Renewal

STEM SUCCULENTS
BT Life forms (plants)

STEMFLOW
RT Interception

STERILANTS
UF Chemosterilants
NT Soil sterilants
RT Fumigants
Insect control
Pest control
Pesticides
Poisons
Reproduction

STEPPES
USE GRASSLANDS

STERILIZATION
RT Fumigation

STOCHASTIC PROCESSES
RT Birth and death processes

STOCK PONDS
BT Bodies of water
Ponds
Standing waters
Surface waters
RT Farm lagoons
Farm ponds
Impounded waters
Stock water
Water storage

STOCK WATER
UF Livestock water
BT Water types
RT Artificial use
Beneficial use
Farm ponds
Natural use
Prior appropriation
Reasonable use
Reservoirs
Riparian rights
Stock ponds
Water allocation (policy)
Water consumption
Water harvesting

STOCKPILING
RT Raw materials
Spoil banks

STONE FRUITS
UF Prunus species
BT Crops
Dicots
Fruit crops
Horticultural crops
Plants (botany)
NT Apples
Blueberries
Citrus fruits
Grapefruit
Hickory trees
Lemons
Limes
Macadamia
Melons
Oranges
Peaches
Peanuts
Pecans
Pome fruits
Strawberries
Vine crops

STOPPING
RT Elimination

STOOLING
USE VEGETATION REGROWTH

STORAGE
UF Detention
NT Bank storage
Data storage
Dead storage
Pumped storage
Reservoir storage
Soil water storage
Underground storage
Underground water storage
Waste storage
Water storage
RT Containers
Degradation
Disposal
Excavation
Explosives
Preservation
Pumping
(Continued)

STORAGE (Continued)
RT Quality control
Reservoirs
Safety
Storage tanks
Tanks (containers)
Waste disposal

STORAGE BATTERIES
USE ELECTRIC BATTERIES

STORAGE CAPACITY
RT Infiltration
Porosity
Soil profiles
Storage coefficient
Water storage

STORAGE COEFFICIENT
RT Aquifers
Natural recharge
Porosity
Rainfall-runoff relationships
Storage capacity
Transmissivity
Water storage

STORAGE LANES
BT Highways

STORAGE RESERVOIRS
USE RESERVOIR STORAGE

STORAGE TANKS
BT Containers
Tanks (containers)
RT Hydraulic structures
Storage
Vessels
Water storage

STORE BUILDINGS
USE COMMERCIAL BUILDINGS

STORE LOCATION
USE RETAIL STORES
SHOPPING CENTERS

STORES, RETAIL
USE RETAIL STORES
SHOPPING CENTERS

STORM DRAINAGE
    BT Sewerage systems

STORM DRAINS
    UF Storm sewers
    BT Drains
    RT Conduits
        Intakes
        Pipes
        Subsurface drainage

STORMFLOW
    USE STORM RUNOFF

STORM RUNOFF
    UF Direct runoff
        Stormflow
    BT Runoff
    RT Floods
        Streams
        Storms
        Washouts

STORM SEEPAGE
    USE SUBSURFACE RUNOFF

STORM SEWERS
    UF Storm drains
    BT Sewers
    RT Catch basins
        Combined sewers
        Drop inlets
        Flood control
        Outfall sewers
        Siphons (water)
        Surface water runoff

STORM STRUCTURE
    BT Structure
    RT Meteorology
        Storms

STORM WATER CONTROL
    BT Sewerage systems

STORMS
    BT Weather
    NT Cloudbursts
        Dust storms
        Hurricanes
        Snowstorms
        Thunderstorms
        Tornadoes
        (Continued)

STORMS (Continued)
    NT Tropical cyclones
        Typhoons
    RT Atmospheric distribances
        Cyclones
        Depth-area-duration analysis
        Disasters
        Erosion
        Flood frequency
        Flood hydrology
        Fronts (atmospheric)
        Fronts (meteorology)
        Gusts
        Intensity
        Lightning
        Weather
        Wind resistance
        Sleet
        Snow
        Storm runoff
        Storm structure

STRAIN
    NT Axial strain
        Normal strain
        Spear strain
        Tangential strain
    RT Shrinkage
        Statics

STRAIN ENERGY
    BT Energy

STRAIN GAGES
    BT Equipment
        Gages
        Measuring instruments
        Test equipment

STRAIN HARDENING
    BT Hardening

STRAIN METERS
    BT Instrumentation
        Measuring instruments
        Meters

STRAIN RATE
    BT Rates

STRAITS
    BT Topographic features
    RT Channels
        Oceans
        Waterways

STRATA
RT Aquicludes
Beds (geology)
Geologic formations
Geology
Lenses (soils)
Profiles
Sedimentary rocks
Soil horizons
Stratification
Stratigraphy
Structural geology

STRATEGIC MATERIALS
RT Raw materials

STRATIFICATION
UF Layering
NT Middle class
Thermal stratification
RT Estuaries
Lakes
Profiles
Reservoirs
Sedimentation
Sediment concentration
Soils
Strata
Stratigraphy

STRATIFIED FLOW
BT Flow
Movement
RT Density flow
Flow patterns

STRATIGRAPHY
RT Geochronology
Geological surveys
Geologic mapping
RT Geologic time
Geology
Plateaus
Sedimentation
Sedimentology
Outcrops
Marginal wells
Strata

STRATUS CLOUDS
UF Clouds (stratus)
BT Clouds
RT Atmosphere
Fog
Weather

STRATIGRAPHY
RT Geologic formations
Geologic time
Hydrogeology
In situ rock
Petrology
Rocks
Sedimentary structures
Sedimentation
Soil horizons
Stratification

STRAW
BT Plant residues (organic)
RT Grains (crops)

STRAW OIL
USE OILS

STREAM AQUIFER RELATIONSHIPS
USE SURFACE-GROUNDWATER RELATIONSHIPS

STREAM-AQUIFER RELATIONSHIPS
USE SURFACE-GROUNDWATER RELATIONSHIPS

STREAM BANK PROTECTION
USE BANK PROTECTION

STREAMBEDS
BT Beds
Land forms
NT River beds
RT Banks
Bed movements
Bed ripples
Navigable waters
Ownership of beds
Streams
Tractive forces
Stream channels
Stream erosion
Streamflow records
Stream meandering
Stream valley

STREAM CHANNELS
UF Channels (river)
Channels (stream)
River channels
BT Channels
Waterways
RT Lakes
Rivers

(Continued)

**STREAM CHANNELS (Continued)**
RT Streambeds
Streams
Valleys
Water

**STREAM DRAINAGE PATTERNS**
UF Drainage patterns (geologic)
BT Fluvial morphology
RT Hydrogeology
Hydrology
Land forms
Streams
Watersheds (basins)

**STREAM EROSION**
BT Erosion
RT Channel protection
Running waters
Sedimentation
Streambeds
Streamflow
Streams
Tractive forces
Water erosion

**STREAM FISHERIES**
BT Fisheries
RT Cold-water fish
Freshwater fish
Streams

**STREAMFLOW**
BT Channel flow
Flow
Fluid flow
Liquid flow
Movement
NT Natural flow
Regulated flow
River flow
RT Channels
Discharge (water)
Flood estimate
Flood frequency
Floods
Flow augmentation
Flow duration
Flow duration curves
Gages
High water mark
Stream valley
Surface runoff
(Continued)

**STREAMFLOW (Continued)**
RT Stream erosion
Streamflow forecasting
Streamflow records
Streamflow regulation
Stream gages
Stream gaging station
Hydraulics
Hydrographs
Hydrology
Large watersheds
Low water mark
Non-perennial streams
Peak runoff
Riverbasins
River currents
Routing
Runoff
Streams
Tractive forces
Water rights
Watersheds (basins)
Water surface profiles
Weirs
Water year
Safe yield

**STREAMFLOW DEPLETION**
RT Discharge (water)
Flow augmentation
Hydraulics
Hydrographs
Low water mark
Obstruction to flow
Routing
Runoff

**STREAMFLOW FORECASTING**
BT Forecasting
Water supply forecasting
RT Floods
Hydrographs
Routing
Runoff
Streamflow
Streams

**STREAMFLOW RECORDS**
BT Documentation
Records
RT Hydrometeorological station
Streambeds
Streamflow
Streams

STREAMFLOW REGULATION
RT Check structures
Floods
Flow profiles
Streamflow
Watersheds (basins)

STREAMFLOW ROUTING
USE ROUTING

STREAM GAGES
BT Gages
Hydrologic instruments
Instrumentation
Measuring instruments
RT Discharge (water)
Flowmeters
Flow rates
Gaging stations
Hydrograpns
Streamflow
Velocity
Velocity meters
Water levels
Water measurement

STREAM GAGING STATION
BT Gaging stations
Hydrometeorological station
Stations
RT Concrete structures
Equipment
Streamflow
Water measurement

STREAM-GROUNDWATER RELATIONSHIPS
USE SURFACE GROUNDWATER RELATIONSHIPS

STREAM IMPROVEMENT
RT Hydraulic structures
Retaining wall
Wildlife management

STREAM MEANDERING
UF Meandering (stream)
River meandering
RT banks
Erosion control
Land forms
Sedimentation
Streambeds

STREAM POLLUTION
UF Contamination (river)
Contamination (stream)
River pollution
BT Water pollution
Pollution
RT Dilution
Effluents
Industrial wastes
Limnology
Non-consumptive use
Sewage disposal
Sewage treatment
Waste disposal

STREAM STABILIZATION
BT Stabilization
RT Erosion control
Hydraulic structures

STREAM VALLEY
UF River valley
BT Land forms
valleys
RT Basins
Streambeds
Streamflow
Streams

STREAMS
UF Brooks
Creeks
Runs
BT Bodies of water
Running waters
Waterways
NT Acid streams
Alluvial streams
Effluent streams
Ephemeral streams
Influent streams
Intermittent streams
Interstate rivers
Natural streams
Non-perennial streams
Perennial streams
Rivers
Tributaries
Underground streams
Wild rivers
RT Backwater
Banks
Earth hydrosphere

(Continued)

STREAMS (Continued)
RT Estuaries
Flood plains
Flow profiles
Gullies
Headwaters
Inflow
Interfluves
Limnology
Meanders
Post impoundment
River currents
Streambeds
Stream channels
Stream drainage patterns
Stream erosion
Stream fisheries
Streamflow
Streamflow forecasting
Streamflow records
Stream valley
Water gaps
Water sources
Water levels
Self-purification
Thermal springs
Suspended sediments
Thermal water
Stream valley
Storm runoff
Upstream
Valleys

STREET ADDRESSES
RT Information retrieval
Location

STREET FRONTAGE
RT Special assessments
Subdivision regulations

STREET FURNITURE
RT Amenities
Downtown
Park development

STREET HIGHWAY LANDSCAPE DEVELOPMENT
BT Highways

STREET LAYOUTS
NT Axial or radial pattern

STREET LIGHTING
RT Crime
Planning
Public services

STREET PATTERNS
BT Highway patterns
NT Agglomerated
Binodal
Concentric
Dispersed
Grid pattern
Lattice
Nodal
Radial or axial pattern
Strassendorf
Superblocks
Wheel

STREET PLANNING
BT Planning
Transportation

STREET PLANS
BT Highway patterns
NT Major street plan

STREET SYSTEMS
BT Transportation
NT Gridiron plan
Superblocks
RT Planning
Rectangular plan

STREET TOWNS
BT Types of communities

STREET TRAFFIC
USE VEHICULAR TRAFFIC

STREET TREES
RT Shade trees

STREETS
BT Roads
NT One way streets
Boulevards
Corridor street
RT Frontage
Public improvements
Sidewalks

STRENGTH
BT Mechanical properties
Physical properties
NT Soil strength
Tensile strength
RT Persistence
Safety factors
Shear
Stability

STRENGTH OF MATERIALS
    RT Materials

STRESS
    NT Moisture stress
        Stress (physiology)
        Tensile stress
        Thermal stress
    RT Earthquake loads
        Earthquakes
        Influence charts
        Shear
        Statics

STRESS (MECHANICS)
    USE STRESSES

STRESSES
    UF Stress (mechanics)
    NT Axial stress
        Bearing stress
        Bending stress
        Biaxial stresses
        Bond stress
        Circumferential stress
        Combined stress
        External stresses
        Flow stress
        Hydrostatic stress
        Initial stress
        Neutral stress
        Normal stress
        Radial stress
        Residual stress
        Shear stress
        Tensile stress
        Thermal stresses
        Triaxial stresses
        True stress
    RT Compressive properties
        Creep properties
        Earth pressure
        Fatigue (materials)
        Force
        Impact
        Loads (forces)
        Mechanical tests
        Rolling contact loads
        Shear properties
        Soil pressure
        Strains
        Stress analysis
        Stress concentration
        Stress cycle

STRESSES (Continued)
    RT Stressing
        Stress relaxation
        Stress waves
        Tensile properties
        Tension
        Tension tests
        Torsion tests
        X-ray stress analysis

STRIP ANNEXATIONS
    BT Annexation

STRIP BUSINESS DISTRICTS
    BT Business districts

STRIP CITIES
    BT Types of cities

STRIP CROPPING
    UF Strip tillage
    BT Land management
        Management
    RT Contour farming
        Contour
        Erosion control
        Soil erosion
        Soil management
        Strip cropping
        Wind erosion

STRIP DEVELOPMENT
    BT Development
        Urban development

STRIP MINE LAKES
    BT Bodies of water
        Lakes
        Standing waters
        Surface waters
    RT Acidic water
        Strip mines

STRIP MINE WASTES
    BT Industrial wastes
        Mine wastes
        Wastes
    RT Acidic water
        Coal mine wastes
        Strip mines
        Water pollution sources

STRIP MINES
RT Acidic soils
Mining
Open pit mining
Spoil banks

STRIP MINING
BT Mining
Surface mining
RT Coal mining
Open pit mining
Placer mining
Quarrying

STRIP TILLAGE
USE STRIP CROPPING

STRIPPING
RT Grading (earthwork)

STRONTIUM
BT Alkaline earth metals
Metals
RT Public health
Toxicity
Water pollution sources

STRUCTURAL ANALYSIS
BT Analysis
NT Dynamic structural analysis
RT Computer applications
Safety factors
Statics
Structural models
Structural relaxation
STructural stability

STRUCTURAL BEHAVIOR
UF Behavior (structural)
BT Behavior
RT Dams
Deformation
Instrumentation
Loads (forces)
Mechanical properties
Piezometers
Structures
Tunnels

STRUCTURAL CHARACTERISTICS OF HOUSES
USE TRENDS IN HOUSE CONSTRUCTION

STRUCTURAL CONCRETE
BT Building materials
Concretes
Construction materials
RT Beams (structural)
Concrete structures
Engineering structures

STRUCTURAL DESIGN
BT Design
NT Bridge design
Building design
Dam design
RT Arches
Bays (structural)
Buttresses
Earthquake engineering
Earthquake loads
Earthquake-resistance structures
Girders
Influence charts
Structural engineering
Safety factors
Seismic design
Structural relaxation
Structural shapes
Structural stability
Wind bracing

STRUCTURAL DYNAMICS
USE DYNAMIC STRUCTURAL ANALYSIS

STRUCTURAL ENGINEERING
UF Engineers (structural)
Structural engineers
BT Civil engineering
Engineering
RT Construction methods
Design
Structural design
Structural stability
Structures

STRUCTURAL ENGINEERS
USE STRUCTURAL ENGINEERING

STRUCTURAL GEOLOGY
BT Geology
RT Basins
Continental margin
Earthquakes
Fissures (geology)
(Continued)

STRUCTURAL GEOLOGY (Continued)
    RT Geologic formations
        Geologic structures
        Hydrogeology
        Petrology
        Sedimentary structures
        Strata
        Structure
        Valleys

STRUCTURAL MEMBERS
    NT Girders
    RT Buttresses
        Influence charts
        Structural shapes
        Plates

STRUCTURAL MODELS
    BT Models
    RT Structural analysis
        Structural stability
        Structures

STRUCTURAL RELAXATION
    UF Relaxation (structural)
    BT Relaxation (mechanics)
    RT Structural analysis
        Structural design

STRUCTURAL SHAPES
    UF Beams (channels)
        Channel beams
    RT Structural design
        Structural members

STRUCTURAL STABILITY
    BT Stability
    RT Buttresses
        Earthquake loads
        Stability analysis
        Structural analysis
        Structural design
        Structural models
        Structural engineering
        Seismic design

STRUCTURAL STEEL
    BT Alloys
        Building materials
        Construction materials
        Iron alloys
        Metals
        Steel

STRUCTURAL TIMBER
    USE LUMBER

STRUCTURE
    NT Storm structure
        Water structure
    RT Structural geology

STRUCTURES
    NT Bridges (structures)
        Buildings
        Buried structures
        Canals
        Check structures
        Concrete structures
        Conveyance structures
        Dams
        Earthquake-resistant structures
        Engineering structures
        Hydraulic structures
        Intake structures
        Large structures
        Laterals
        Multiple purpose structures
        Pumping plants
        Spillways
        Trestles
        Underground powerplants
        Underground structures
        Wooden structures
        Check dams
        Props (structures)
        Sluices
        Venturi flumes
    RT Safety factors
        Structural behavior
        Structural engineering
        Structural models

STUBBLE MULCHING
    BT Land management
        Mulching
        Soil management
    RT Arid lands
        Crop response
        Dry farming
        Soil-water-plant relationships
        Soil-plant-animal relationships
        Water conservation
        Weed control

STUMPAGE VALUATION
    USE FOREST APPRAISAL

SUBATMOSPHERIC PRESSURE
- RT Water column separation

SUBBASES
- USE PAVEMENT BASES

SUBCARRIER WAVES
- USE CARRIER WAVES

SUBCRITICAL FLOW
- UF Tranquil flow
- BT Critical flow
- Flow
- Fluid flow
- Movement

SUBDIVIDED LAND
- BT Land development

SUBDIVIDER
- RT Urban development

SUBDIVIDING
- RT Real estate development
- Subdivision regulations

SUBDIVISION
- UF Land subdivision
- RT City growth
- City planning
- Real estate business
- Real property
- Suburbs

SUBDIVISION DESIGN
- UF Cluster houses
- Land planning
- RT Site planning

SUBDIVISION ORDINANCE
- BT Planning regulations

SUBDIVISION REGULATIONS
- BT Municipal regulations
- Urban growth
- RT Frontage
- Log size
- Subdividing
- Street frontage

SUBDIVISION STREETS
- BT Subdivisions

SUBDIVISIONS
- BT Land development
- Residential housing
- Spatial location
- NT Subdivision streets
- Unanchored subdivision
- RT Growth, urban

SUBHUMID AREAS
- RT Droughts
- Rainfall
- Subhumid climates
- Semiarid land

SUBHUMID CLIMATES
- BT Climate
- RT Grasslands
- Subhumid areas

SUBIRRIGATION
- USE SUBSURFACE IRRIGATION

SUBJECT INDEXING
- RT Information retrieval
- Information science
- Libraries
- Keywords

SUBLATERALS
- BT Channels
- Conveyance structures
- Irrigation canals
- Laterals
- RT Conduits
- Ditches
- Pipelines
- Unlined canals

SUBMARINE FAULTS
- BT Geological faults

SUBMARINE PLAINS
- BT Plains

SUBMARINE TOPOGRAPHIC FEATURES
- RT Hills
- Plateaus
- Rift valleys
- Slopes
- Volcanoes

SUBMERGED FLOW
- RT Draft tubes

(Continued)

SUBMERGED FLOW (Continued)
RT Jet diffusion
Submerged orifices
Submerged weirs
Submergence

SUBMERGED LANDS
USE BEDS

SUBMERGED ORIFICES
BT Orifices
RT Submerged flow

SUBMERGED PLANTS
BT Aquatic life
Aquatic plants
Plants (botany)
NT Pondweeds
Submerged weeds

SUBMERGED SOILS
USE AQUATIC SOILS

SUBMERGED VEGETATION STAGE
BT Lake stages

SUBMERSED WEEDS
BT Aquatic weeds
Submerged plants
Weeds
NT Pondweeds

SUBMERGED WEIRS
RT Submerged flow

SUBMERGENCE
RT Submerged flow

SUBSIDENCE
NT Deep subsidence
Land subsidence
RT Ground water depletion
Ponding
Pumping
Rift valleys
Sinkholes
Withdrawal

SUBSIDIZED HOUSING
USE PUBLIC HOUSING

SUBSIDY
BT Economic policy

SUBSISTENCE FARMS
RT Part-time farming
BT Farm types

SUBSISTENCE HOMESTEADS
UF Homesteading
Land settlement
Resettlement

SUBSOIL
BT Soil horizons
Soil profiles
RT C horizon
Regolith
Topsoil
BT Soils

SUBSONIC FLOW
UF Subsonic streams
BT Compressible flow
Flow
Fluid flow
Movement

SUBSONIC STREAMS
USE SUBSONIC FLOW

SUBSTANDARD URBAN DEVELOPMENT
BT Urban development

SUBSTANDARD URBAN GROWTH
BT Urban growth

SUBSTANDARD URBAN HOUSING
BT Urban housing

SUBSURFACE DRAINAGE
BT Drainage
RT Flow
Karst
Leaching
Porosity
Seepage
Subsurface drains
Subsurface flow
Subsurface waters
Unsaturated flow
Water wells
Zone of aeration
Sewers
Storm drains
Subsurface runoff
Subsurface irrigation
Toe drains
Underground
Underground streams

SUBSURFACE DRAINS
BT Drains
RT Drainage
Drain spacing
Sand drains
Subsurface drainage
Subsurface moisture

SUBSURFACE EXPLORATIONS
USE SUBSURFACE INVESTIGATIONS

SUBSURFACE FLOW
BT Flow
Movement
RT Subsurface drainage
Vadose water
Zone of aeration

SUBSURFACE INVESTIGATIONS
UF Explorations (subsurface)
Subsurface explorations
BT Investigations
RT Borehole cameras
Drift
Drifting
Exploration
Geologic investigations
Geophysical prospecting
Gravimetric prospecting
In situ rock
Logging (recording)
Pits
Sampling
Trenches
Well logging

SUBSURFACE IRRIGATION
UF Subirrigation
BT Gravity irrigation
Irrigation
Irrigation systems
RT Demand (irrigation systems)
Pipes
Subsurface drainage
Surface irrigation

SUBSURFACE MAPPING
BT Mapping
RT Geophysics
In situ rock
Maps

SUBSURFACE MOISTURE
BT Moisture
(Continued)

SUBSURFACE MOISTURE (Continued)
RT Ground water
Moisture control
Soil moisture
Soil water
Subsurface drains
Subsurface waters
Water content
Water table

SUBSURFACE RUNOFF
UF Interflow
Storm seepage
Subsurface storm flow
BT Runoff
RT Subsurface drainage
Subsurface waters

SUBSURFACE STORM FLOW
USE SUBSURFACE RUNOFF

SUBSURFACE WATERS
BT Water types
Capillary water
Confined water
Connate water
Excess water (soils)
Fringe water
Gravitational water
Ground water
Hygroscopic water
Juvenile water
Saline groundwater
Underflow
Vadose water
RT Conjunctive use
Ground water basins
Subsurface runoff
Zone of saturation
Zone of aeration
Well regulation
Well permits
Saline water intrusion
Subsurface drainage
Subsurface moisture
Soil moisture
Underground
Underground streams

SUBTROPIC
RT Pedalfers
Regions
Yellow podzolic soils

SUBURBAN BUSINESS CENTERS
BT Commerce
Regional shopping centers

SUBURBAN COUNTY
BT Local government structure

SUBURBAN COUNTY PLANNING
BT County planning
Planning

SUBURBAN DEVELOPMENTS
BT Suburbs
RT New communities

SUBURBAN DISTRICTS
BT Suburbs
Urban areas

SUBURBAN FRINGE
BT Metropolitan areas
Suburbs

SUBURBAN GROWTH
BT Spatial analysis
Urban change

SUBURBAN LAND USE
RT Land use
Suburbs

SUBURBAN LAND USE PROBLEMS
BT Land use
Suburbs

SUBURBAN MUNICIPALITIES
BT Municipalities
Suburbs

SUBURBAN PROBLEMS
RT Urban rural problems

SUBURBAN SETTLEMENTS
BT Suburbs

SUBURBAN SHOPPING AREAS
BT Land use
Retail trades

SUBURBAN STUDIES
USE URBANIZATION

SUBURBAN TOWN CENTERS
BT Suburbs

SUBURBAN TOWNSHIPS
BT Suburbs

SUBURBAN WASTELANDS
BT Suburbs

SUBURBAN ZONING
BT Zoning

SUBURBANIZATION
BT Urban change
Urban process
RT Mortgage
New communities
Spatial analysis
Suburbs
NT Planless suburbanization
Suburbanization of manufacturing
Suburbanization of offices

SUBURBIA
BT Metropolitan areas
Suburbs
RT Spatial analysis

SUBURBS
UF Urban areas
BT Settlements
Urban areas
NT Urban fringes
Urban frontiers
Urban commuting radius
Shanty towns
Sattellites
Balanced suburbs
Urban rural areas
Suburban town centers
Suburban townships
Suburban wastelands
Suburbia
Suburban settlements
Suburban developments
Suburban districts
Suburban fringe
Suburban land use problems
Suburban municipalities
Residential suburbs
Manufacturing suburbs
RT Peripheral towns
Satellite cities
(Continued)

SUBURBS (Continued)
RT Satellite communities
Sprawl
Subdivision
Suburban land use
Urban decentralization

SUBWAY RAILWAYS
UF Railroad subways
BT Electric railroads
Railroads
Subways
RT Elevated railraods
Rapid transit railways
Street railroads
Tunnels

SUBWAYS
NT Subway railways
RT Rapid transit
Tunnels

SUCCESSION
BT Ecosystems
NT Climatic climax
Climax
Dune succession
Lake stages
Temporary pond stage
RT Ecology
Forests
Persistence
Plant populations
Radioactivity effects
Ranges

SUCCESSION (ECOLOGY)
USE ECOLOGICAL SUCCESSION

SUCCESSION (PLANTS)
USE PLANT SUCCESSION

SUCKERING
USE VEGETATION REGROWTH

SUCTION
NT Soil suction

SULFATE REDUCING BACTERIA
RT Soil bacteria
Sewage bacteria

SULFATES
BT Chemical compounds
Sulfur compounds
RT Saline soils

SULFIDE MINERAL DEPOSITS
USE MINERAL DEPOSITS

SULFIDES
BT Chemical compounds
Inorganic compounds
Sulfur compounds
NT Hydrogen sulfide

SULFITE LIQUORS
BT Chemical compounds
Sulfur compounds
Wastes
RT Industrial wastes
Pulp wastes
Waste treatment
Water pollution sources

SULFUR
BT Chemical elements
Nonmetals
NT Hydrogen sulfide

SULFUR COMPOUNDS
BT Chemical compounds
NT Linear alkylate sulfonates
Paraguat
Phosphothioate pesticides
Sodium sulfate
Sulfates
Sulfides
Sulfite liquors
Sulfonates
Sulfuric acid
RT Sulfur

SULFUR DIOXIDE
BT Dioxides
Oxides
Sulfur oxides
Acids

SULFUR OXIDES
BT Oxides
NT Sulfur dioxide
Sulfur monoxide
Sulfur trioxide

SULFURIC ACID
BT Acids
Chemical compounds
Chemicals
Sulfur compounds

SUMMER
BT Seasons
RT Seasonal
Torpor

SUMMER ANNUALS
BT Annuals

SUMMER EPHEMERALS
BT Ephemerals

SUMMER PRECIPITATION
BT Precipitation (atmospheric)
RT Arid climates
Extremely arid climate
Meigs climatic classification
No precipitation seasonality
Semiarid climates
Weather patterns
Winter precipitation

SUMPS
RT Shallow wells

SUN
BT Astronomical bodies
Stars
RT Astronomy
Solar radiation
Solar systems

SUNFISHES
UF Bluegills
Centrarchus species
Crappies
Lepomis species
Pomoxis species
BT Animals
Aquatic animals
Aquatic life
Fish
Freshwater fish
Pan fish
Wildlife
NT Bass
Roanoke bass
Rock bass

SUPER AIRPORT PLANNING
BT Planning
RT Airports

SUPER AIRPORTS
BT Air transportation

SUPER BLOCKS
BT Street systems

SUPER COOLING
RT Supersaturation

SUPERCRITICAL FLOW
UF Rapid flow
BT Critical flow
Flow
Fluid flow
Movement

SUPERCOOLED FOG
BT Fog

SUPERHUMID CLIMATES
USE WET CLIMATES

SUPERIMPOSED DRAINAGE
BT Drainage
RT Erosion
Sedimentation

SUPERMARKETS
RT Food marketing

SUPERSATURATION
RT Crystallization
Quenching
Saturation
Supercooling

SUPERSONIC FLOW
UF Supersonic streams
BT Compressible flow
Flow
Fluid flow
Movement

SUPERSONIC STREAMS
USE SUPERSONIC FLOW

SUPPLEMENTAL IRRIGATION
BT Irrigation
Irrigation practices
RT Precipitation (atmospheric)

SUPPLEMENTAL WATER
BT Water
RT Industrial water
Irrigation
Irrigation water

SUPPLY
NT Water supply

SUPPLY ECONOMY
USE CONSERVATION

SUPPORT SERVICES
USE SUPPORT SERVICES

SUPPORTS
RT Girders
Buttresses

SURBURBAN DEVELOPMENTS
RT New communities

SURFACE DRAINAGE
UF Land drainage
BT Drainage
RT Canals
Channels
Land
Surface waters
Water yield

SURFACE
BT Landscape
Geographic variables

SURFACE-GROUND WATER RELATIONSHIPS
UF Aquifer-stream relationships
Groundwater-surface relationships
Stream-aquifer relationships
Stream-groundwater relationships
RT Conjuctive use
Ground water
Irrigation water
Natural recharge

SURFACE IRRIGATION
BT Irrigation
Distribution systems
Irrigation systems
(Continued)

SURFACE IRRIGATION (Continued)
NT Border irrigation
Flood irrigation
Furrow irrigation
Trickle irrigation
RT Demand (irrigation systems)
Ditches
Flooding
Irrigation canals
Land development
Land leveling
Land preparation
Seepage
Subsurface irrigation
Water application rate
Water requirements

SURFACE MINING
BT Mining
NT Open pit mining
Placer mining
Quarrying
Strip mining
RT Coal mining
Hydraulic mining

SURFACE NUCLEAR EXPLOSIONS
USE NUCLEAR EXPLOSIONS

SURFACE PREPARATION
RT Grading (earthwork)

SURFACE PROPERTIES
BT Properties
NT Emissivity
Surface tension
RT Cover
Roughness
Sorption
Sliding resistance
Wettability

SURFACE RUNOFF
UF Diffused surface water
BT Runoff
RT Floods
Hydrographs
Precipitation excess
Sheet erosion
Small watersheds
Slopes
Streamflow
Surface storage
(Continued)

SURFACE RUNOFF (Continued)
RT Surface waters
Watersheds (basins)
Water supply forecasting

SURFACE SEALING
RT Finishes
Sealants
Seepage
Surfacing
Treatment

SURFACE STORAGE
RT Depression storage
Infiltration
Rainfall-runoff relationships
Surface runoff

SURFACE TENSION
BT Surface properties
Tension
RT Surfaces

SURFACE WATER
UF Excess water (legal aspects)
BT Water types
RT Prior appropriation
Water storage

SURFACE WATER RUNOFF
RT Storm sewers

SURFACE WATERS
BT Bodies of water
Water
NT Farm ponds
Gravitational water
Gulfs
Iced lakes
Interstate river
Lagoons
Lakes
Multiple purpose reservoirs
Natural streams
Navigable rivers
Oceans
Playa lakes
Ponds
Reservoirs
Rivers
Saline lakes
Stock ponds
Strip mine lakes
(Continued)

SURFACE WATERS (Continued)
NT Surface water runoff
Wild rivers
RT Conjunctive use
Evaporation
Fresh water
Ground water hydrology
Hydrography
Sewerage systems
Standing waters
Surface drainage
Surface runoff
Swamps
Hydrologic cycle
Large watersheds
Limnology
Peak runoff
River basins
Water assimilative capacity
Water collection systems
Water supply
Water sources
Wetlands

SURFACE WATER RUNOFF
BT Runoff
Surface waters
Water
RT River basins
Peak discharge
Precipitation excess
Storm sewers
Watersheds

SURFACING
RT Paving
Road construction
Dam crests
Linings
Surface sealing

SURFACES
NT Soil surfaces
RT Boundaries (surfaces)
Water levels
Surface tension
Terraces (geological)

SURFACTANTS
NT Linear alkylate sulfonates
RT Admixtures
Detergents
(Continued)

SURFACTANTS (Continued)
RT Dispersants
Emulsifying agents
Foam fractionation
Foam separation
Formulation
Retardants
Soaps
Sulfonates
Surface tension
Water pollution sources
Wettability
Wetting
Wetting agents

SURGES
RT Frequency
Gusts
Hurricanes
Hydraulic jump
Plumbing
Seiches
Tidal energy
Tides
Water circulation
Water hammer
Waves (water)
Winds
Wind tides
Water column separation

SURPLUS WATER
UF Excess water (legal aspects)
BT Water types
RT Overflows
Prior appropriation
Water storage

SURVANNEE BASS
USE BASS

SURVEY METHODS
UF Community survey manuals
RT Architecture domestic-surveys
Building construction-surveys
City planning - surveys
Heating surveys
Housing market analysis
Housing surveys
Industrial surveys
Neighborhood surveys
Parking - surveys
Public opinion polls
Public utilities - surveys
(continued)

SURVEY METHODS (Continued)
RT Social surveys
Traffic surveys
Universities and colleges - surveys
Urban renewal - surveys
Vacancy surveys

SURVEY STATIONS
RT Measurement
Surveying

SURVEYING
NT Hydrographic surveying
Land surveying
Topographic surveying
RT Surveys
NT Plane surveying
RT Baselines
Bench marks
Exploration
Geodesy
Geodetic surveys
Highway engineering
Lasers
Mapping
Maps
Monuments
Offsets
Orientation
Radar
Reconnaissance surveys
Right-of-way
Survey stations
Surveying instruments
Soil investigations
Telemetry
Terrain analysis
Topography
Topographic mapping

SURVEYING INSTRUMENTS
UF Instruments (surveying)
BT Instrumentation
RT Mapping
Measurement
Optical instruments
Plane surveying
Surveying
Surveys

SURVEYING LINES
USE SURVEYING LINES

SURVEYS
UF Reconnaissance
NT Aerial surveys
Cadastral surveys
Demographic surveys
Economic surveys
Environmental surveys
First order surveys
Forest surveys
Food consumption surveys
Geodetic surveys
Geological surveys
Geophysical surveys
Health surveys
Hydrographic surveys
Land surveys
Library surveys
Magnetic surveys
Plane surveys
Public opinion surveys
Reconnaissance surveys
Reservoir surveys
Resistivity surveys
Second order surveys
Site surveys
Snow surveys
Soil surveys
Topographic surveys
Traffic surveys
RT Baselines
Bench marks
Census
Creel census
Exploration
Geodesy
Hydrography
Maping
Maps
Right of way
Climatic data
Earthwork
Geophysical prospecting
Layout
Questionnaires
Surveying
Scale (ratio)
Soil investigations
Surveying instruments
Synoptic analysis
Telemetry
Terrain analysis
Water prospecting

SURVIVAL
NT Desert survival
RT Acclimatization
Age
Deserts
Endangered species
Homeostasis
Life forms (plants)
Mortality
Plant size
Stress (physiology)
Thermal stress
Thirst
Torpor
Viability

SUSPENDED LOAD
UF Wash load
BT Sediment load
Sediments
RT Running waters
Runoff
Suspension
Particle size

SUSPENDED SEDIMENTS
BT Sediments
RT Colloids
Running waters
Runoff
Sediment deposits
Sediment load
Sediment transport
Streams

SUSPENDED SOLIDS
BT Sediments
RT Colloids
Mixtures
Running waters
Runoff
Sediment transport

SUSPENSION BRIDGES
RT Railroad bridges

SUSPENSIONS
NT Dispersions

SWAMPS
BT Land forms
Wetlands
NT Mangrove swamps
(Continued)

SWAMPS (Continued)
RT Aquatic environment
Aquatic habitats
Bodies of water
Bogs
Lakes
Lake stages
Land reclamation
Marshes
Standing waters
Surface waters
Stagnant water
Terrain
Waterlogged land

SWEAT EQUITY
USE OWNER - BUILT HOUSES

SWIMMING
BT Recreation
Water sports

SWIMMING POOLS
UF Pools (swimming)
BT Recreation facilities

SWINE
UF Hogs
Pigs (swine)
BT Artiodactyla
Eutheria
Mammals
Ungulata
Vertebrates
RT Domestic animals
Livestock

SWINE HOUSES
BT Farm buildings

SWITCHING CIRCUITS
RT Network analysis

SYCAMORE TREES
UF Platanus occidentalis
BT Crops
Deciduous trees
Dicots
Horticultural crops
Plants (botany)
Trees

SYMBIOSIS
RT Ecology
Lichens

SYNCHRONOUS CONDENSERS
USE ELECTRICAL EQUIPMENT

SYNECOLOGY
UF Biological communities
BT Plant ecology
NT Biological communities
RT Adaptation
Biomes
Competition
Ecosystems
Habitats
Succession

SYNOPTIC ANALYSIS
RT Analytical techniques
Climatology
Data collections
Depth-area-duration analysis
Frequency
Microenvironment
Surveys
Weather data
Weather forecasting

SYNOPTIC CLIMATOLOGY
BT Climatology
RT Atmospheric circulation
Circulation
Climate
Discontinuity (meteorology)

SYNOPTIC METEOROLOGY
BT Meteorology
RT Anticyclones
Cyclones
Fronts (meteorology)
Weather forecasting

SYNTHETIC DETERGENTS
USE DETERGENTS

SYNTHETIC FIBERS
UF Artificial textile fibers
Synthetic textile fibers
BT Fibers
NT Casein fibers
Cellulose fibers
(Continued)

SYNTHETIC FIBERS (Continued)
    NT Dacron
        Glass fibers
        Nylon
        Protein fibers
    RT Natural fibers
        Polymers

SYNTHETIC HYDROLOGY
    BT Hydrologic aspects

SYNTHETIC RESINS
    USE RESINS

SYNTHETIC TEXTILE FIBERS
    USE SYNTHETIC FIBERS

SYSTEMATICS
    RT Speciation

SYSTEMS ANALYSIS
    RT Computers
        Management
        Mathematical models
        Methodology
        Operations research
        Similitude
        Statistical analysis
        Statistical models

SYSTEMS ENGINEERING
    UF Engineering (systems)
    RT Data processing
        Forecasting
        Management
        Mathematical models
        Operations research
        Recording systems

SYSTEMS OF CITIES
    NT Levels
    RT Central places
        Christaller theory
        Hierarchy

TABLES (DATA)
BT Documentation
Information
RT Charts
Data processing
Data transmission
Experimental data
Libraries
Publications
Records
Statistics
Weather data

TACTICAL CITY PLANNING
BT City planning
Planning

TAIGA
BT Forest types
RT Tundras

TAILINGS
BT Wastes
RT Contaminants
Gangue
Industrial wastes
Residues
Screenings
Waste disposal

TAILRACE
RT Channel protection

TALL GRASSES
BT Grasses
Plants (botany)
RT Grassland biome

TANGENTIAL STRAIN
BT Strain

TANKS (CONTAINERS)
BT Containers
NT Sand tanks
Sedimentation tanks
Septic tanks
Storage tanks
Water tanks
RT Basins
Reservoirs
Storage
Towers
Vessels

TANTALUM
BT Metals
Refractory materials
Refractory metals
Transition metals
RT Tantalum isotopes

TASTE-PRODUCING ALGAE
BT Algae
Aquatic algae
Aquatic life
Aquatic plants
Plants (botany)
RT Taste
Water pollution sources
Water quality

TAX ASSESSMENT
BT Property taxation
Taxation
RT Property values

TAX BASE
BT Taxation
RT Fiscal planning
Property values

TAX DELINQUENT LAND
UF Lien
Tax lien
RT Land use
Municipal finance
Security (law)
Taxation
Real property - taxation

TAX EXEMPT PROPERTY
BT Property taxation

TAX EXEMPTION
USE TAX INCENTIVES

TAX INCENTIVES
UF Exemption from taxation
Tax exemption
RT Slums
Taxation
Real property - taxation

TAX LIEN
USE TAX DELINQUENT LAND

TAXATION
UF Taxes
NT Agricultural taxes
Double taxes
Assessments
Income taxes
Inheritance tax
Land taxation
Poll tax
Property taxes
Sales tax
School tax
Single tax
Tax base
Tax assessment
Use tax
RT Assessment
Home ownership
Internal revenue
Land values
Legislation
Peak land value intersection
Property assessment
Real property assessment
Tariff
Tax incentives

TAXES
UF Taxation
NT Income taxes
Real property taxes
RT Costs
Income
Local governments
Nonstructural alternatives
Payment
Rates
Regional economics
Regulations
Revenue

TDE
USE DDD

TECHNICAL ASSISTANCE PROGRAMS
UF Aid to underdeveloped areas
Assistance to underdeveloped areas
Economic assistance
International technical cooperation
Point four program
(Continued)

TECHNICAL ASSISTANCE PROGRAMS (Cont.)
RT Economic policy
Educational exchanges
International relations
Investments
Social conditions
Community development
Foreign exchange
Housing projects
Economic development
Reconstruction
Underdeveloped countries

TECHNETIUM
BT Metals
Transition metals
RT Technetium isotopes

TECHNICAL EDUCATION
UF Technical instruction
BT Vocational education
NT Fire science education

TECHNICAL FEASIBILITY
BT Feasibility
RT Economic feasibility
Project feasibility

TECHNICAL INSTRUCTION
USE TECHNICAL EDUCATION

TECHNICAL PAPERS
BT Documentation
RT Reports
Translations

TECHNICAL SOCIETIES
UF Engineering societies
BT Organizations
Professional societies
RT Documentation
Engineering personnel
Professional personnel

TECHNICAL WRITING
RT Documentation
Records
Reports
Technical papers

TECHNIQUES
NT Analytical techniques
Data collections
(Continued)

TECHNIQUES (Continued)
NT Flow measurement
Hydrography
Mapping
Measurement
One-site data collections
Piezometry
Quadrat
Quantitative sampling
Remote sensing
Surveys
Water measurement

TECHNIQUES (ANALYTICAL)
USE ANALYTICAL TECHNIQUES

TECHNOLOGISTS
BT Personnel
NT Engineering personnel
Scientific personnel
RT Administration
Management
Technology

TECHNOLOGY
NT Instructional technology
RT Analytical techniques
Design
Environmental tests
Management
Methodology
Projects
Technologists

TECTONICS
RT uplift
Rift valleys

TEE LOSSES
BT Losses

TELECOMMUNICATION
UF Communication networks
Communication services
Communication systems
Electrical communication systems
Electronic communication systems
Signal services
Wire communication
Wireless communication
NT Earth current communication
(Continued)

TELECOMMUNICATION (Continued)
NT Microwave communication
Microwave relay systems
Radio communication
Radio relay systems
Telegraph systems
Telephone systems

TELEGRAPH SYSTEMS
UF Telegraphy
BT Telecommunication
NT DC telegraphy
Radiotelegraphy
Radio teletypewriter systems
Teletypewriter systems
Tone telegraphy
Wire telegraphy
RT Frequency shift keying
Global communication
Military communication
Pulse communication
Radio communication
Radio links
Secure communication
Telegraph cables
Telegraph equipment
Telegraph lines
Telegraph receivers
Telegraph transmitters
Teletypewriter equipment

TELEGRAPHY
USE TELEGRAPH SYSTEMS

TELEMETRY
RT Antennas
Commmunication
Control systems
Data collections
Data transmission
Electronic equipment
Exploration
Instrumentation
Marking techniques
Measurement
Measuring instruments
Radiosondes
Remote control
Remote sensing
Supervisory control (power)
Surveying
Surveys
Tagging
Tellurometers
Tracking techniques

**TELEPHONE SYSTEMS**
UF Telephony
BT Telecommunication
NT Intercom systems
Multichannel telephone systems
Ship telephone systems
RT Ciphony equipment
Global communication
Microwave relay systems
military communication
Radio communication
Radio links
Radio relay systems
Radiotelephones
Secure communication
Telephone cables
Telephone circuits
Telephone equipment
Telephone exchanges
Telephone links
Underwater communication
Vacoders

**TELEPHONES**
RT Receivers
Transmitters

**TELEPHONY**
USE TELEPHONE SYSTEMS

**TELEVISION**
UF Video
RT Communication
Transmitters

**TELEVISION EQUIPMENT**
NT Television receivers
Television transmitters

**TELEVISION RECEIVERS**
Excludes crystal video receivers
BT Microwave receivers
Radio equipment
Receivers
Television equipment
RT Closed circuit television
Picture tubes
Radio receivers
Television antennas
Television reception
Television transmitters
Tuners
Video amplifiers

**TELEVISION RECEPTION**
BT Radio reception
RT Color television
Television antennas
Television equipment
Television interference
Television receivers
Television systems
Television transmission

**TELEVISION STATIONS**
BT Stations
RT Radio stations
Television antennas
Television broadcasting
Television equipment
Television systems
Television transmission
Television transmitters

**TELEVISION TRANSMISSION**
BT Electromagnetic wave transmission
Transmission
Wave propagation
RT Automatic picture transmission
Closed circuit television
Color television
Double sideband transmission
Radio transmission
Single sideband transmission
Television antennas
Television cameras
Television equipment
Television interference
Television reception
Television stations
Television systems
Television transmitters
Time division multiplexing

**TELEVISION TRANSMITTERS**
BT Television equipment
Transmitters
RT Radio repeaters
Radio transmitters
Television antennas
Television cameras
Television receivers
Television stations
Television transmission
Vidicons

**TELLURIUM**
BT Metalloids
RT Tellurium isotopes

**TEMPERATE**
RT Pedalfers
Podzols
Regions
Sierozems
Temperature sensors

**TEMPERATURE**
NT Air temperature
Soil temperature
Water temperature
Temperature
Minimum temperature
Mean temperature
Earth temperature
RT Climatology
Energy balance
Environments
Expansive forces
Freezing
Geothermal studies
Growing period
Heat
Hydrometeorological station
Ice lenses
Meteorology
Physical properties
Temperature sensors
Thermal properties
Thermal springs
Temperature control
Temperature inversions
Temperature rise
Thawing
Thermal springs
Thermal stratification
Thermal water
Ventilation

**TEMPERATURE CONTROL**
BT Control
RT Environmental engineering
Heating
Temperature
Temperature sensors

**TEMPERATURE INVERSIONS**
UF Inversion (temperature)
RT Air pollution
Temperature
Thermal properties

**TEMPERATURE RANGES**
RT Maximum temperature
Mean temperature

**TEMPERATURE RISE**
RT Temperature
Thermal properties
Volume change

**TEMPERATURE SENSORS**
BT Detectors
Equipment
Instrumentation
Measuring instruments
Sensors
Test equipment
RT Geothermal prospecting
Temperate
Temperature
Temperature control

**TEMPORARY HOUSING**
UF Army family housing
Seasonal housing
NT Demountable houses
Motel apartments
Motor courts
Portable houses
Short term housing
Tourist courts
RT Seasonal housing

**TEMPORARY POND STAGE**
BT Ecosystems
Lake stages
Succession
RT Grasslands

**TEMPORARY RESIDENTIAL USE**
NT Tourist courts
RT Seasonal housing

**TENANCY**
BT Occupancy
NT Land tenure
Tenant farming
RT Rent

**TENANT ASSOCIATIONS**
RT Rent
Rental housing

TENANT FARMING
RT Land tenure
Tenancy

TENANT RELOCATION
USE RELOCATION

TENANT SELECTION
UF Tenants
RT Apartment houses
Landlord and tenant
Leases
Public housing
Real property
Rental housing

TENANTS
UF Tenant selection
BT Occupancy
RT Land use

TENEMENTS
BT Apartments

TENSILE STRENGTH
UF Tension strength
BT Mechanical properties
Strength
Tensile properties
NT Splitting tensile strength
Ultimate tensile strength

TENSILE STRESS
UF Tension stress
BT Stress

TENSILE PROPERTIES
BT Mechanical properties
Properties
NT Splitting tensile strength
Tensile strength
Ultimate tensile strength

TENSION
NT Moisture tension
Surface tension
RT Shear

TENSION STRENGTH
USE TENSILE STRENGTH

TENSION STRESS
USE TENSILE STRESS

TERMINAL
RT Transportation

TERMINAL CITIES
BT Cities
Types of cities
RT Commerce

TERMINAL FACILITIES
UF Depots (terminal facilities)
Terminals (transportation)
NT Freight terminals
Passenger terminals
Railroad terminals

TERMINALS (TRANSPORTATION)
USE TERMINAL FACILITIES

TERMITES
BT Arthropoda
Insects
Invertebrates
Isoptera
Pterygota

TERRACE DEPOSITS
UF Deposits (terrace)
RT Alluvial deposits
Geologic deposits
Land forms
Sediment deposits
RT Glacial deposits
Gravels
Sands
Sedimentation

TERRACES
UF Courtyards
Outdoor rooms
Patios
BT Earthworks
Land forms
RT Landscaping

TERRACES (AGRICULTURAL)
USE TERRACING

TERRACES (GEOLOGICAL)
BT Land forms
RT Surfaces

TERRACING
UF Terraces (agricultural)
BT Land forming
RT Contouring
Ditches
Earthworks
Erosion control
Flow control
Land leveling
Land management
Runoff
Soil management
Water management (applied)

TERRAIN
BT Landscape
NT Contour
Topography
RT Beaches
Coastal plains
Geographical regions
Grasslands
Land
Land forms
Morphology
Swamps
Valleys

TERRAIN ANALOGS
BT Analogs
RT Analog models
Analog simulation
Climatic analogs
Terrain models

TERRAIN ANALYSIS
BT Analysis
RT Exploration
Field investigations
Mapping
Morphology
Photography
Regions
Surveying
Surveys
Terrain models

TERRAIN MODELS
BT Models
RT Terrain analogs
Terrain analysis

TERRESTRIAL ATMOSPHERE
USE EARTH ATMOSPHERE

TERRESTRIAL HABITATS
BT Environments
Habitats
RT Aquatic habitats
Forests
Grasslands
Soils
Wetlands

TERTIARY PERIOD
BT Cenozoic era
Geologic time
NT Miocene epoch
Pliocene epoch
RT Basin-and-range topography
Quaternary period

TERTIARY TREATMENT
UF Advanced waste treatment
BT Sewage treatment
Treatment
Waste treatment
RT Water reuse

TEST CANALS
BT Canals
Test facilities
RT Algae
Aquatic weeds
Discharge (water)
Erosion
Field tests
Hydraulics
Open channels
Radiation measurement
Seepage
Velocity
Wind control

TEST EQUIPMENT
BT Equipment
NT Evapotranspirometers
Flowmeters
Gages
Geodimeters
Moisture meters
Orifice meters
Permeameters
Salinity meters
(Continued)

TEST EQUIPMENT (Continued)
NT Shock tests
Strain gages
Temperature sensors
Velocity meters
Weir gages
RT Samplers

TEST FACILITIES
BT Facilities
NT Experimental farms
Shock tubes
Test canals
RT Simulators

TEST PITS
BT Pits

TESTING
USE TESTS

TESTS
UF Testing
NT Compression tests
Corrosion tests
Drained shear tests
Dynamic tests
Electrical insulation tests
Environmental tests
Field tests
Freeze-thaw tests
In situ tests
Materials tests
Permeability tests
Ponding tests
Seismic tests
Shear tests
Shock tests
Soil compression tests
Soil consolidation tests
Soil tests
RT Experimental data
Exploration
Sampling
Simulation
Soil analysis

TETRAETHYL LEAD
UF Lead tetraethyl
BT Lead organic compounds
Metal alkyl compounds
Organometallic compounds

TEXTILE INDUSTRY
BT Industries

TEXTILES
RT Cotton
Fibers
Fibers (plants)
Rayon
Synthetic fibers
Water pollution sources

THAWING
RT Frozen soils
Heating
Temperature

THEATERS
RT Cultural centers

THEORY
NT Information theory
Queueing theory

THERMAL CAPACITY
RT Heat budget

THERMAL DIFFUSIVITY
RT Conduction
Heat transfer

THERMAL DRILLING
USE HEATING

THERMAL ENERGY
BT Energy
RT Heat
Thermal properties

THERMAL GRADIENT
BT Gradients

THERMAL INSULATION
BT Insulation

THERMAL POLLUTION
UF Heat pollution
Pollution (thermal)
BT Air pollution
Pollution
Water pollution

**THERMAL POWER**
UF Steam power
BT Electric power production
Power
RT Electric power
Heat
Nuclear powerplants

**THERMAL POWERPLANTS**
UF Steam plants
Steam powerplants
BT Electric powerplants
Industrial plants
Powerplants
RT Buildings
Electric power production
Facilities
Nuclear powerplants

**THERMAL PROPERTIES**
UF Heat properties
Thermodynamic properties
BT Physical properties
Properties
RT Heat
Temperature inversions
Temperature rise
Temperature
Thermal energy
Thermal stratification
Vaporization

**THERMAL RADIATION**
UF Heat radiation
BT Radiation
Transport phenomena

**THERMAL SPIKES**
USE RADIATION EFFECTS

**THERMAL SPRINGS**
BT Bodies of water
Running waters
Springs (water)
NT Hot springs
Warm springs
RT Streams
Temperature
Thermal water

**THERMAL STRATIFICATION**
BT Stratification
RT Temperature
Thermal properties
Water circulation

**THERMAL STRESS**
BT Stress
Stress (physiology)
RT Desert survival
Droughts
Environmental engineering
Heat strain
Minimum temperature
Moisture stress
Survival
Temperature

**THERMAL STUDIES**
USE GEOTHERMAL STUDIES

**THERMAL WATER**
BT Water types
RT Hot springs
Streams
Temperature
Thermal power
Thermal springs
Warm springs
Water temperature

**THERMIONIC CONVERTERS**
UF Thermionic generators
BT Direct power generators
Electric generators
NT Fossil fuel thermionic converters

**THERMIONIC GENERATORS**
USE THERMIONIC CONVERTERS

**THERMODYNAMIC PROPERTIES**
UF Heats (energies)
Thermal properties
NT Emissivity
Thermophysical properties

**THERMODYNAMICS**
NT Heat transfer
RT Heat
Saline water systems

**THERMOPHYSICAL PROPERTIES**
BT Thermodynamics properties
NT Emissivity

**THEROPHYTES**
BT Life forms (plants)
RT Ephemerals

THESAURUS
RT Publications

THIEMS EQUATION
UF Equilibrium equation
RT Equations

THIEM TEST
RT Permeability tests

THIEMS EQUATION
RT Confined water
Drawdown
Groundwater movement
Permeability
Transmissivity

THIN ARCH DAMS
BT Arch dams
Concrete dams
Concrete structures
Dams
Engineering structures
RT Concrete construction
Shell structures

THINNING (FRUIT)
BT Fruit culture
RT Thinning sprays

THINNING SPRAYS
RT Thinning (fruit)

THINNING (TREES)
UF Release (trees)
RT Forest improvement cutting

THIRD PARTY EFFECTS
RT Effects

THOROUGHFARE PLAN
BT Comprehensive plan

THOROUGHFARE PLANNING
BT Planning
RT Roads

THOROUGHFARES
BT Roads

THROUGH HIGHWAYS
USE HIGHWAYS

THRUWAYS
BT Roads

THUNDERSTORMS
BT Storms
RT Cap clouds
Cloudbursts
Cloud modification
Clouds
Convection clouds
Flash floods
Fronts (meteorology)
Rain

TIDAL EFFECTS
RT Effects

TIDAL ENERGY
BT Energy
RT Electric power
Potential hydropower
Pumped storage
Surges
Tidal hydraulics
Tidal powerplants
Tides

TIDAL MARSHES
BT Land forms
Marshes

TIDAL POWERPLANTS
BT Electric powerplants
Industrial plants
Powerplants
RT Buildings
Electric power industry
Electric power production
Facilities
Hydraulic structures
Jetties
Potential hydropower
Powerhouses
Tidal energy
Tidal hydraulics
Tides

TIDAL WATERS
RT High water mark
Low water mark

TIDES
BT Periodic variations
Waves (water)
NT Atmospheric tides
Wind tides
RT Currents (water)
Estuaries
Flow profiles
Littoral
Ocean currents
Ocean waves
Saline water intrusion
Shores
Surges
Sea
Tidal energy
Tidal powerplants
Water
Wind (meteorology)

TILL
BT Sediments
RT Clays
Deposition (sediments)
Glacial drift
Glaciers

TILL (GLACIAL)
USE GLACIAL TILL

TILLAGE
USE CULTIVATION

TIMBER APPRAISAL
USE FOREST APPRAISAL

TIMBER CRUISING
BT Forest surveys

TIMBER CUTTING
USE LOGGING

TIMBER FELLING
USE LOGGING

TIMBER MANAGEMENT
UF Forest management
RT Silviculture

TIMBER PILES
USE WOODEN PILES

TIMBERLINE
RT Altitude
Forest ecology

TIMBERS
BT Building materials
Construction materials
Lumber industry
Materials
RT Mines
Mining
Wood

TIME
RT Annual
Flow duration
Flow duration curves
Growing period
Growth stages
Seasonal

TIME LAG
RT Precipitation excess

TIN
BT Chemical elements
Metals
RT Passive metals
Superconductors
Tin alloys
Tin compounds

TIN ALLOYS
BT Alloys
Metals
NT Bronzes
RT Bearings
Soldering
Tin

TITANIUM
BT Chemical elements
Metals
Transition metals
RT Ilmenite
Rutile
Titanium alloys
Titanium castings
Titanium compounds
Titanium isotopes
Titanium ores

TITANIUM ALLOYS
  BT Alloys
    Heat resistant alloys
    Metals
  RT Titanium

TOADS
  BT Amphibia
    Vertebrates

TOE DRAINS
  BT Drains
  RT Earth dams
    Filters
    Seepage
    Subsurface drains

TOLERANCES (MECHANICS)
  UF Dimensional tolerances
  RT Acceptability
    Accuracy
    Allowances
    Backlash
    Clearances
    Conformity
    Consistency
    Dead band
    Drift (instrumentation)
    Dynamic tests
    Errors
    Hysteresis
    Inspection
    Linearity
    Mechanical properties
    Nondestructive tests
    Precision
    Quality control
    Range (extremes)
    Reliability
    Reproducibility
    Resolution
    Stability
    Standards
    Static tests

TOLERANCES (PLANT)
  UF Plant tolerances
  BT Resistance
  NT Drought tolerance
  RT Agronomy
    Drought resistance
    (Continued)

TOLERANCES (PLANT) (Continued)
  RT Heat resistance (biological)
    Herbicides
    Plant growth
    Plant physiology
    Toxicity

TOLL BRIDGES
  RT Toll roads

TOLL ROADS
  UF Turnpikes
  BT Highways
    Limited access highways
    Roads
  NT Vehicular tunnels
  RT Freeways
    Toll bridges
    Toll tunnels

TOLL TUNNELS
  BT Tunnels
    Vehicular tunnels
  RT Toll roads

TOLLS
  RT Turnpikes

TOOLS
  USE EQUIPMENT

TOPIARY
  USE PRUNING

TOPMINNOWS
  USE KILLIFISHES

TOPOGRAPHIC FEATURE
  NT Basin and range topography
    Glaciers
    Hills
    Islands (land forms)
    Mesas (land forms)
    Mountains
    Plains
    Plateaus
    Rift valleys
    Sandbars
    Slopes
    Straits
    Volcanoes
    Relict land forms
  RT Badlands
    Topographic highs

TOPOGRAPHIC HIGHS
RT Elevation
Topographic features

TOPOGRAPHIC MAPPING
UF Contour mapping
BT Mapping
RT Maps
Plane surveying
Surveying

TOPOGRAPHIC MAPS
BT Maps
RT Base maps
Topography

TOPOGRAPHIC SURVEYS
BT Plane surveys
Surveys
RT Geophysical surveys
Mapping
Photogrammetry
Topography

TOPOGRAPHICAL BARRIER
BT Location factors
RT Transportation

TOPOGRAPHY
UF Relief
BT Terrain
RT Climatology
Elevation
Erosion
Glacial geology
Gradients
Land forms
Mapping
Planning
Slopes
Topographic maps
Topographic surveys
Morphology
Shape
Surveying
Valleys

TOPSOIL
BT Earth materials
Materials
Soil horizons
Soil profiles
Soil types
Soils
(Continued)

TOPSOIL (Continued)
RT A horizon
Organic matter
Productivity
Subsoil

TORNADOES
BT Storms
RT Warning systems
Wind (meteorology)
Wind resistance

TORPOR
RT Adaptation
Summer
Survival
Winter

TORRENS SYSTEM
RT Land titles
Land transfer
Real property

TORTS
BT Civil law
RT Damages
Legal aspects

TOTAL LOADS
BT Loads (forces)

TOUGHNESS
BT Mechanical properties
Physical properties
RT Abrasion resistance
Brittleness
Cohesion
Ductility
Hardness
Impact tests
Penetration resistance
Tensile properties
Wear resistance

TOURISM
RT Income
National parks
Recreation

TOURIST COURTS
BT Temporary housing
Temporary residential use

TOURIST COURTS
UF Auto courts
Motels
Motor courts
RT Hotels
Housing codes
Mobile homes
Trailers and trailer courts

TOURIST TRADE
RT Travel

TOWED VEHICLES
NT Trailers

TOWERS
RT Tanks (Containers)

TOWN LOTS
BT Land use
Towns

TOWN MEETINGS
USE LOCAL GOVERNMENTS

TOWN PLANNING
UF Urban planning
BT Planning
NT New town concept

TOWN PLANNING COMMISSION
RT Municipal government
Planning
Planning commissions

TOWN PLANNING REGION
BT Regional planning
Urban regions

TOWN PLATS
RT Towns

TOWN RELOCATION PLANNING
BT Planning
RT New towns

TOWNS
BT Local government structure
Political areas
Urban form
NT Colonial towns
English provincial towns
(Continued)

TOWNS (Continued)
NT Factory towns
Negro town
Railroad rival towns
Town corporation limits
Town lots
RT Assessed tax wealth of town
Town economic elite
Town competition for industry
Town employers
Town plats
Town trustees
Town wealth

TOWNSCAPE
BT Landscape
Urban character

TOWNSHIPS
BT Local government structure
Municipal units
Political areas
Political subdivisions
Spatial location
Urban administration

TOXIC WASTE DISPOSAL
BT Disposal
Waste disposal
RT Contamination
Hazards
Poisons
Pollution control
Toxicity
Waste treatment

TOXICANTS
USE POISONS

TOXICITY
NT Phytotoxicity
RT Contamination
Pesticides
Poisons
Safety
Soil contamination effects
Tolerances (plant)
Toxic waste disposal
Water pollution effects

**TOXICOLOGY**
RT Contaminants
Contamination
Hazards
Injuries
Occupational diseases
Pathology
Pharmacology
Poisons
Pollution
Toxic diseases
Toxicity
Toxic shock
Toxic tolerances
Toxins and antitoxins
Vaccines

**TOXINS**
BT Chemicals
Poisons
RT Air pollution
Mortality
Pesticides
Pollutants
Soil contamination
Water pollution

**TRACE ELEMENTS**
UF Elements (trace)
RT Geochemistry
Water chemistry

**TRACERS**
RT Path of pollutants

**TRACT DEVELOPMENT**
BT Urban development

**TRACTIVE FORCES**
RT Streambeds
Stream erosion
Stream flow

**TRACTS**
BT Census areas
Developments

**TRADE**
USE COMMERCE

**TRADE AND INDUSTRIAL EDUCATION**
UF Trade instruction
Vocational industrial education
BT Vocational education

**TRADE-IN HOUSES**
UF Houses, trade-in
RT Real estate business
Real property

**TRADE-IN HOUSING**
UF Houses, trade-in
RT Housing market
Real estate business
Real property

**TRADE INSTRUCTION**
USE TRADE AND INDUSTRIAL EDUCATION

**TRADE UNIONS**
USE LABOR UNIONS

**TRAFFIC**
NT City circulation
Motor traffic
Pedestrian traffic
Traffic flow
Traffic control systems
Urban traffic
RT Parking lots
Safety planning
Traffic flow maps

**TRAFFIC ACCIDENTS**
RT Safety planning

**TRAFFIC CONTROL**
NT Vehicular traffic control
RT Traffic engineering
Traffic regulations

**TRAFFIC CONTROL SYSTEMS**
BT Traffic
RT Safety planning
Traffic engineering
Transportation

**TRAFFIC ENGINEERING**
BT Planning
RT Traffic control
Traffic control systems
Traffic safety
Traffic surveys
Transportation
Vehicular traffic

**TRAFFIC FLOW**
BT Circulation
Traffic

TRAFFIC FLOW MAPS
RT Traffic

TRAFFIC ISLANDS
USE VEHICULAR TRAFFIC CONTROL

TRAFFIC LANES
USE VEHICULAR TRAFFIC CONTROL

TRAFFIC MARKINGS
USE VEHICULAR TRAFFIC CONTROL

TRAFFIC PATTERNS
BT Circulation

TRAFFIC REGULATIONS
BT Regulations
RT Traffic control
Traffic safety
Traffic signals

TRAFFIC SAFETY
RT Traffic engineering
Traffic regulations

TRAFFIC SIGNALS
RT Signal devices
Traffic regulations

TRAFFIC SIGNS
USE VEHICULAR TRAFFIC CONTROL

TRAFFIC SURVEYS
BT Environmental surveys
Surveys
RT Traffic engineering

TRAFFIC WAYS
BT Roads

TRAILERS
UF Mobile homes
Wagons
BT Ground vehicles
Towed vehicles
RT Automobiles
Bomb handling vehicles
Bomb trucks
Bulk transporters
Combat vehicles
Couplings
Highway trains
Motor trucks
(Continued)

TRAILERS (Continued)
RT Motor vehicles
Refrigerator trucks
Semitrailers
Sleds
Tank trucks
Towed bodies
Trucks
Truck tractors

TRAILERS AND TRAILER COURTS
UF Auto courts
Automobiles - trailers
Mobile-home parks
Motels
Motor courts
RT Tourist courts
Housing codes
Mobile homes

TRAINING
(Systematic Educative Process by Which one learns new skills)
NT Counselor training
Cross cultural training
Industrial training
Inquiry training
Job training
Laboratory training
Leadership training
Management training
Orientation
Pediatrics training
Professional training
Retraining
Sensitivity training
Supervisory training
Travel training
Vocational education
Volunteer training
RT Education
Engineering education
Leadership
Manpower development
Training objectives
Transfer of training
Vocational training center
Schools (education)

TRAINING WALLS
RT Intake channels

TRAJECTORIES
NT Earth moon trajectories
Spacecraft trajectories

TRAMP IRON
USE CONTAMINANTS

TRAMWAYS
BT Urban transit

TRANQUIL FLOW
USE SUBCRITICAL FLOW

TRANSIENT FLOW
USE UNSTEADY FLOW

TRANSIENTS
RT Sheet flow

TRANSECT
RT Vegetation maps

TRANSFER
RT Path of pollutants

TRANSIT EXPRESSWAY
BT Mass transport

TRANSIT FRINGE PARKING USAGE
BT Mass transport
Parking

TRANSIT PROBLEMS
NT Urban transit problems
RT Urban transportation

TRANSIT TOWN
BT Types of cities

TRANSFORMERS
RT Electrical grounding

TRANSLATING
RT Information science
Languages
Libraries

TRANSITION METALS
BT Metals
NT Cadmium
(Continued

TRANSITION METALS (Continued)
NT Chromium
Cobalt
Copper
Gold
Hafnium
Iridium
Iron
Manganese
Mercury (metal)
Molybdenum
Nickel
Niobium
Osmium
Palladium
Platinum
Precious metals
Rhenium
Rhodium
Ruthenium
Scandium
Silver
Tantaium
Technetium
Titanium
Tungsten
Vanadium
Yttrium
Zinc
Zirconium
RT Actinide series
Rare earth elements
Transuranium elements

TRANSITION ZONES
BT Boundaries
Concentric zone theory
Spatial analysis
Urban change
Zoning

TRANSITIONS (STRUCTURES)
NT Intake transitions
RT Contraction
Cutoffs
Entrances (fluid flow)
Guide walls
Outlets
Pipelines
Sudden enlargements
Taper
Training walls

TRANSFER
NT Energy transfer
Heat transfer
Interbasin water transfers
Water transfer
RT Kinetics

TRANSIT TERMINALS
NT Heliports

TRANSMISSIVITY
RT Darcys law
Porous media

TRANSMISSION
UF Transmitting
NT Data transmission
Double sideband transmission
Electric power transmission
Electromagnetic wave transmission
Ground wave propagation
Heat transmission
Ionospheric propagation
Light scattering
Light transmission
Multipath transmission
Radio transmission
Rotating directional transmission
Scatter propagation
Single sideband transmission
Sound transmission
Television transmission
Underwater sound transmission
Wave propagation

TRANSMITTING
USE TRANSMISSION

TRANSPIRATION
RT Hydrologic cycle
Moisture deficit
Vaporizing
Wilting

TRANSPIRATION CONTROL
BT Control
RT Chemcontrol
Evaporation control
Evapotranspiration
Evapotranspiration control stomata
Transpiration
(Continued)

TRANSPIRATION CONTROL (Continued)
RT Water conservation
Water utilization
Water yield improvement

TRANSPORT
NT Air transport
Highway transport
RT Garages

TRANSPORT AIRCRAFT
UF Transport planes
BT Aircraft
NT Cargo aircraft
Passenger aircraft
Supersonic transports
Troop carrier helicopters

TRANSPORT CITIES
BT Cities
Types of cities
RT Commerce

TRANSPORT FACILITIES
BT Transportation
NT Urban transport facilities
RT Urban transportation

TRANSPORT PHENOMENA
NT Convection
Energy transfer
Heating
Heat transfer
Reverse osmosis
Solar radiation
Thermal radiation
Ultraviolet radiation
X-rays

TRANSMISSION
UF Transmitting
NT Data transmission
Double sideband transmission
Electric power transmission
Electromagnetic wave transmission
Ground wave propagation
Heat transmission
Ionospheric propagation
Light scattering
Light transmission
Multipath transmission
Radio transmission
(Continued)

TRANSMISSION (Continued)
NT Rotating directional transmission
Scatter propagation
Single sideband transmission
Sound transmission
Television transmission
Underwater sound transmission
Wave propagation
RT Absorptance
Attenuation
Automotive transmissions
Conduction
Diffraction
Electromagnetic absorption
Electromagnetic radiation
Light (visible radiation)
Light control
Multiplexing
Optical filters
Reflection
Refraction
Telecommunication
Transmission lines
Transmission loss
Transmissivity
Transmittance
Wave dispersion

TRANSMISSION (ELECTRICAL)
UF Electric power transmissions
RT Electrical design
Electrical engineering
Electrical faults
Electrical insulators
Electrical networks
Electric power
Electric power distribution
Electric power failure
Electric power production
Oil-filled cables
Tural electrification
Transmission lines
Underground cables
Underground tramission lines

TRANSMISSION LINES
BT Networks
NT Underground transmission lines
Wood-pole transmission lines
RT Electrical design
(Continued)

TRANSMISSION LINES (Continued)
RT Electrical engineering
Electrical grounding
Electrical insulators
Electric conductors
Electric networks
Electric power distribution
Electric wire
Ice loads
Rural electrification
Transmission (electrical)

TRANSMITTERS
RT Television
Telephones

TRANSPORT AIRCRAFT
UF Transport planes
BT Aircraft
NT Passenger aircraft

TRANSPORT PHENOMENA
NT Cooling
Elastic waves
Electromagnetic waves
Radio waves

TRANSPORT PLANES
USE TRANSPORT AIRCRAFT

TRANSPORT PROPERTIES
NT Carrier mobility

TRANSPORT, SEDIMENT
USE SEDIMENT TRANSPORT

TRANSPORTATION
UF Shipping
NT Water transportation
Air transportation
Commercial transportation
Mass transportation
Passenger transportation
Petroleum transportation
Pipeline transportation
Rail transportation
Highway transportation
Waterway transportation
Municipal services
Urban mass transit
Circumferential highway systems
Bypass problems
Interurban mass rapid transit system
(Continued)

TRANSPORTATION (Continued)
NT Rapid transit
Mass transport
Expressways
Circulation plan
Viaducts
Street planning
Street systems
Metropolitan transportation
Mass rapid transit
Inner motorway system
Highway transportation
Urban transportation decisions
Urban transportation
Urban transport facilities
Urban transport systems
Urban transit problems
Urban transit industry
Transport facilities
RT Communication
Harbors
Inland waterways
Railroads
River basin development
Gas supply
Highway transportation planning
Inland navigation
River crossing towns
Topographical barrier
Terminal
Traffic control systems
Traffic engineering
Urban commuting radius
Urban highways
Urban migration
Urban movement

TRANSPORTATION FACILITIES
NT Controlled access highway facilities

TRANSPORTATION INDUSTRY
USE COMMERCIAL TRANSPORTATION

TRANSPORTATION LAND USES
BT Land use

TRANSPORTATION MANAGEMENT
BT Management

TRANSPORTATION MODELS
BT Mathematical models
Operations research

TRANSPORTATION NODES
NT Freeway interchanges

TRANSPORTATION PLAN
USE CIRCULATION PLAN

TRANSPORTATION PLANNING
RT Urban planning

TRASH
USE REFUSE

TRANSITION METALS
BT Metals
NT Osmium
Precious metals

TRANSMISSION
UF Transmitting
NT Television transmission

TRANSMITTERS
BT Instrumentation
NT Television transmitters
RT Communication

TRASH RACKS
RT Intakes

TREATMENT
NT Aerobic treatment
Biological treatment
Denitrification
Flocculation
Sewage stabilization
Sludge treatment
Soil treatment
Tertiary treatment
Waste dilution
Waste treatment
Waste water treatment
Water pollution treatment
Water purification
Water softening
Water treatment
RT Coagulation
Sanitary engineering
Separation techniques
Settling basins
(Continued)

TREATMENT (Continued)
RT Surface sealing
Water treatment plants

TREATMENT FACILITIES
BT Facilities
RT Contamination
Desalination plants
Industrial plants
Waste treatment
Water pollution
Water treatment

TRAVEL
RT Business
Tourist trade

TREATIES
NT International compacts
RT Export
Foreign trade
Foreign waters
Import
International waters
Negotiations
Tariff
Water law

TREE BREEDING
UF Selection (trees)
Tree improvement
BT Plant breeding

TREE FARMS
BT Farm types
RT Farm forestry

TREE FELLING
USE LOGGING

TREE IMPROVEMENT
USE TREE BREEDING

TREE MEASUREMENT
USE FOREST MEASUREMENT

TREE PLANTING
BT Planting
RT Arboriculture
Forest planting

TREE PRESERVATION
USE FOREST CONSERVATION

TREE RINGS
USE SENDROCHRONOLOGY

TREE SURGERY
RT Pruning

TREES
BT Plants (botany)
NT Ash trees
Balsam fir trees
Birch trees
Black locust trees
Bristlecone pine trees
Coniferous trees
Cottonwoods
Deciduous trees
Douglas fir trees
Fir trees
Grand fir trees
Hemlock trees
Hickory trees
Jack pine trees
Juniper trees
Loblolly pine trees
Lodgepole pine trees
Maple trees
Noble fir trees
Oak trees
Pacific silver fir trees
Pine trees
Pinyon pine trees
Ponderosa pine trees
Red fir trees
Red pine trees
Shade trees
Scotch pine trees
Sycamore trees
White cedar trees
White fir trees
White pine trees
Willow trees
Yellow pine trees
RT Forestry
Forests
Industrial crops
Landscaping
Lumbering
Plant cover
Silviculture
Windbreaks

TREES (PLANTS)
BT Plants (botany)
NT Citrus trees
Ornamental trees

**TRENCHES**
NT Cutoff trenches
RT Blackfills
Blasting
Cutoff walls
Cuts
Cut slopes
Ditches
Earthworks
Excavation
Exploration
Explosive excavation
Foundation investigations
Pipe cover
Pipe cradles
Pipelaying
Pipelines
Pits
Soil investigations
Subsurface investigations
Shoring
Test holes
Test pits

**TRENCHERS**
USE EXCAVATORS

**TRENDS**
RT Forecasting
Growth
Periodic variations

**TRENDS IN HOUSE CONSTRUCTION**
UF Structural characteristics of houses
RT Architecture
Building construction
Building industry

**TRESTIES**
BT Engineering structures
Structures
NT Wooden tresties

**TRIAXIAL LOADS**
BT Loads (forces)

**TRIBUTARIES**
BT Bodies of water
Running waters
Streams
Waterways
RT Fluvial morphology
Rivers

**TRIBUTARY AREAS OF CITIES**
BT Geographic relationships

**TRIBUTARY AREAS**
BT Geographic relationships

**TRICKLING FILTRATION**
RT Industrial waste treatment

**TRICKLE IRRIGATION**
BT Gravity irrigation
Irrigation
Irrigation systems
Surface irrigation
RT Drops (fluids)
Filters
Valves

**TRIFURCATIONS**
RT Discharge lines

**TRITIUM**
BT Hydrogen isotopes
Isotopes
Nuclides
Radioactive isotopes
RT Heavy water
Hydrogen

**TRITICUM AESTIVUM**
USE WHEAT

**TROPICAL CYCLONES**
BT Cyclones
Storms
NT Hurricanes
Typhoons
RT Disasters
Meteorology
Monsoons
Wind (meteorology)

**TROLLEY**
BT Urban transit

**TROPIC**
RT Rain forests

**TROPICAL TESTS**
BT Environmental tests

**TROPISMS**
RT Physiological ecology

TROUT
BT Aquatic animals
Fishes
Vertebrates
RT Freshwater fishes
Marine fishes

TRUCK CROPS
USE VEGETABLE CROPS

TRUCKING
HIGHWAY TRANSPORTATION

TRUCK FARMS
BT Farm types

TRUCKS
UF Vehicles
RT Fire fighting vehicles

TRUSS BRIDGES
RT Railroad bridges

TRUSSES
RT Bays (structural)

TSUGA SPECIES
USE HEMLOCK TREES

TUBES
BT Closed conduits
Conduits
NT Capillary tubes
Irrigation pipes
Pipes (tubes)
Rigid tubing
Sewer pipes
Shock tubes
Soil pipes
Water pipes

TUNDRA
BT Soils
RT Permafrost

TUNDRAS
RT Taiga

TUNGSTEN
UF Wolfram
BT Chemical elements
Metals
Refractory materials
(Continued)

TUNGSTEN (Continued)
BT Refractory metals
Transition metals
RT Scheelite
Tungsten alloys
Tungsten compounds
Tungsten isotopes
Wolframite

TUNGSTEN ALLOYS
BT Alloys
Heat resistant alloys
Metals
RT Steel tungsten

TUNNEL CONSTRUCTION
UF Tunnel shafts
BT Construction
Excavation
NT Tunneling
RT Blasting
Drainage
Earth handling equipment
Earth pressure
Earthquake-resistant structures
Excavators
Explosives
Mining
Railroad tunnels
Rock bolts
Tunnel design
Tunnel failure
Tunneling machines
Tunnels
Underground explosions
Underground powerplants
Underground structures
Water tunnels (conveyance)

TUNNEL DESIGN
BT Design
RT Tunnel construction
Tunnel failure
Tunnel hydraulics
Tunneling
Tunneling machines
Tunnel linings
Tunnel pressures
Tunnels
Underground structures

TUNNEL FAILURE
BT Failure
RT Disasters
Tunnel construction
Tunnel design

TUNNEL HYDRAULICS
BT Fluid mechanics
Hydraulics
RT Hydraulic structures
Pressure tunnels
Tunnel design
Tunnel linings
Tunnel pressures
Tunnels

TUNNEL LININGS
BT Linings
RT Pressure tunnels
Seepage
Tunnel design
Tunnel hydraulics
Tunnel pressures
Tunnels

TUNNEL PRESSURES
BT Pressures
RT Pressure tunnels
Rock bolts
Tunnel design
Tunnel hydraulics
Tunnel linings
Underground power plants
Underground structures

TUNNEL SHAFTS
USE TUNNEL CONSTRUCTION

TUNNELING
BT Construction
Excavation
Tunnel construction
RT Blasting
Excavators
Heaving
Rock bolts
Tunnel design
Tunneling machines
Tunnels
Water tunnels (conveyance)

TUNNELING MACHINES
BT Construction equipment
Equipment
RT Tunnel construction
Tunnel design
Tunneling

TUNNELS
BT Conduits
Conveyance structures
Underground tunnels
NT Diversion tunnels
Railroad tunnels
Toll tunnels
Vehicular tunnels
Water tunnels (conveyance)
Water tunnels (testing)
RT Discharge lines
Interbasin water transfers
Tunnel construction
Tunnel design
Tunnel hydraulics
Tunneling
Tunnel linings
Semicircular sections
Sewers
Structural behavior
Underground
Underground openings
Underground powerplants
Water conveyance

TURBIDITY
BT Physical properties
RT Aquatic environment
Colloids
Density
Water quality

TURBIDITY CURRENTS
BT Liquid flow

TURBINE ENGINES
USE ENGINES
TURBINES

TURBINES
UF Turbine engines
BT Turbomachinery
NT Axial flow turbines
(Continued)

**TURBINES (Continued)**
NT Gas turbines
Hydraulic turbines
Kaplan turbines
Ship turbines
Stream turbines
RT Electric power
Electric powerplants

**TURBOCHARGING**
USE TURBOMACHINERY

**TURBOCOMPRESSORS**
USE TURBOMACHINERY

**TURBOMACHINERY**
UF Turbocharging
Turbocompressors
NT Axial flow compressors
Axial flow turbines
Centrifugal compressors
Centrifugal fans
Centrifugal pumps
Gas turbines
Hydraulic turbines
Ship turbines
Stream turbines
Turbine pumps
Turbines
Turbosuperchargers

**TURBULENCE**
RT Air circulation
Air demand
Air masses
Atmospheric motion
Bed load
Bridge piers
Disturbances
Eddies
Flow
Fluid dynamics
Fluid flow
Frazil ice
Gusts
Hydraulics
Mechanical properties
Mixing
Motion
Movement
Reaeration
Reynolds number
(Continued)

**TURBULENCE (Continued)**
RT Roll waves
Rotational flow
Steady flow
Storms
Turbulent flow
Vortices
Wakes
Water circulation
Water properties
Waves
Waves (water)
Wind (meteorology)

**TURBULENT BOUNDARY LAYERS**
BT Boundary layer
RT Boundary shear
Laminar boundary layers
Turbulent flow

**TURBULENT FLOW**
BT Flow
Fluid flow
Movement
RT Aerodynamics
Bed load
Boundary shear
Critical flow
Eddies
Flow distribution
Flow patterns
Fluid dynamics
Fluid friction
Friction coefficient (hydraulic)
High velocity
Hydraulic jump
Laminar flow
Losses
Mixing length
Non-uniform flow
Open channel flow
Orifice flow
Pipe flow
Reynolds number
Steady flow
Subcritical flow
Test canals
Transient flow
Transients
Transition flow
Transport phenomena
Turbulence
(Continued)

TURBULENT FLOW (Continued)
RT Turbulent boundary layers
Two-phase flow
Unsteady flow
Viscosity

TURF
UF Sod
RT Clovers
Ornamentals
Plants (botany)
Turf grasses

TURF GRASSES
BT Grasses
Monocots
Plants (botany)
RT Horticulture
Kentucky bluegrass
Landscaping
Lawns
Roadbanks
Turf

TURGIDITY
RT Moisture availability
Moisture uptake
Osmotic pressure
Plant physiology
Respiration

TURGOR
RT Moisture content
Osmotic pressure
Plant physiology
Wilting
Wilting point

TURKEY HOUSES
BT Farm buildings

TURKEYS
BT Birds
Vertebrates

TURNKEY HOUSING
USE NONPROFIT HOUSING ORGANIZATIONS

TURNOUT GATES
UF Head gates
BT Gates
Hydraulic gates

TURNOUTS
RT Gravity irrigation
Irrigation canals

TURNOVERS
UF Overturns
RT Lakes
Reservoirs
Water circulation

TURNPIKES
UF Toll roads
BT Highways
Roads
RT Tolls

TURTLES
BT Reptiles
Vertebrates

TYPES OF CITIES
NT Autocratic cities
Balanced cities
Caravan cities
Central cities
Cluster cities
Commune cities
Gateway centers
Ghost towns
Green belt cities
Hinterland cities
Ideal cities
Incorporated cities
Legal city
Manufacturing cities
Mature metropolis
Medium density cities
Mercantile cities
Military towns
Million cities
Multifunctional classification
Nascent urban communities
Ordeal cities
Patrician city
Personalservice cities
Physical city
Planned towns
Plebian city
Poly Nucleated city
Real city
Real estate cities
Regional metropolises
Replanned towns
(Continued)

TYPES OF CITIES (Continued)
NT Resort towns
Retail cities
Retirement towns
Satellites
Single company towns
Single function classification
Single purpose cities
Small cities
Special function cities
Specialized centers
Specialized cities
Specialized function cities
Spread city
Static city
Strip city
Terminal cities
Transit town
Transport cities
Underbounded cities
University city

TYPES OF COMMUNITIES
NT Garden suburbs
Marina city
Mobile suburbia
Planned communities
Primary service community
Retail surburbs
Retirement housing community
Satellite communities
Shack towns
Street towns
Urban agricultural communities

TYPES OF SUBURBS
NT Classification of suburbs
Diversified shrubs

TYPES OF TOWNS
NT Bridge towns
Business cycles
Castle towns
Company villages
Court towns
Dormitory towns
Educational towns
Epifunctional towns
(Continued)

TYPES OF TOWNS (Continued)
NT Estuary head towns
Garden cities
Gap towns
Grid pattern towns
Management forecasting
Mining towns
Pseudo towns
River confluence towns
River crossing towns
River towns
River side towns
Satellite cities
Shanty towns
Spa towns
Walled towns

TYPHOONS
BT Storms
Tropical cyclones
RT Wind (meteorology)

ULTIMATE DISPOSAL
BT Disposal
RT Solid wastes
Waste treatment

ULTIMATE LOADS
BT Loads (forces)

ULTRA HIGH VOLTAGE
BT Electric potential

ULTRAVIOLET RADIATION
UF Radiation (ultraviolet)
Ultraviolet rays
BT Electromagnetic radiation
Electromagnetic waves
Ionizing radiation
Radiation
Transport phenomena
Waves
NT Far ultraviolet radiation
Lyman alpha radiation
Near ultraviolet radiation
Solar ultraviolet radiation
RT Beams (radiation)
Coherent electromagnetic radiation
Daylight
Light (visible radiation)
Polarized electromagnetic radiation
Solar radiation
Sterilization
Sunlight
Thermal radiation
Ultraviolet spectroscopy

UNANCHORED SUBDIVISION
BT Subdivisions

UNAPPROPRIATED WATER
RT Desert land act
Prior appropriation

UNCONFINED AQUIFERS
USE AQUIFERS

UNCONFINED WATER
USE GROUND WATER

UNCONSOLIDATED SOILS
BT Earth materials

UNDERBONDED CITIES
BT Types of cities

UNDERDEVELOPED LANDS
BT Developments

UNDERFLOW
BT Ground water
Subsurface waters
Water
RT Aquifers
Movement
Water yield

UNDERGROUND
RT Drilling
Mining
Subsurface drainage
Subsurface waters
Tunnels
Underground structures
Wells

UNDERGROUND CABLES
BT Electric cables
RT Transmission (electrical)

UNDERGROUND CORROSION
BT Corrosion
RT Corrosion control

UNDERGROUND EXPLOSIONS
BT Blasts
Explosions
RT Blasting
Explosive excavation
Mining
Seismic waves
Tunnel construction

UNDERGROUND FLOW
USE GROUND WATER FLOW

UNDERGROUND HIGHWAYS
BT Roads

UNDERGROUND NUCLEAR EXPLOSIONS
USE NUCLEAR EXPLOSIONS

UNDERGROUND OPENINGS
RT Drift
Mines
Tunnels
Underground structures
Wells

UNDERGROUND POWERPLANTS
BT Engineering structures
Industrial plants
Powerplants
Structures
RT Electric power
Electric powerplants
Rock bolts
Tunnel construction
Tunnels
Underground structures
Water tunnels (conveyance)

UNDERGROUND RESERVOIRS
USE UNDERGROUND STORAGE

UNDERGROUND STORAGE
UF Underground reservoirs
BT Storage
RT Aquifers
Gas fields
Underground structures

UNDERGROUND STREAMS
BT Bodies of water
Streams
RT Bodies of water
Hydrogeology
Subsurface drainage
Subsurface waters
Waterways

UNDERGROUND STRUCTURES
BT Structures
NT Diversion tunnels
Railroad tunnels
Tunnels
Water tunnels (conveyance)
RT Buried pipes
Rock bolts
Shelters
Tunnel construction
(Continued)

UNDERGROUND STRUCTURES (Continued)
RT Underground
Underground openings
Underground powerplants
Underground storage

UNDERGROUND SURVEYS
BT Plane surveys
RT Geophysical surveys

UNDERGROUND TRANSMISSION LINES
BT Transmission lines
RT Electric conductors
Electric current
Electric potential
Transmission (electrical)

UNDERGROUND WASTE DISPOSAL
RT Waste disposal wells

UNDERGROUND WATER
USE GROUND WATER

UNDERGROUND WATER STORAGE
BT Storage
RT Aquifers
Ground water
Reservoirs

UNDERGROUND WIRING
BT Utilities

UNDERPASSES
BT Highways

UNDERSEEPAGE
UF Piping (seepage)
BT Seepage
RT Curtains
Dams
Earth dams
Flow
Leakage
Water loss

UNDERWATER EXCAVATION
BT Excavation
NT Dredging
RT Construction
Earthworks
Excavators
Harbors

UNDERWATER EXPLOSIONS
BT Explosions

UNDERWATER MINES
USE NAVAL MINES

UNDESIRABLE PLANTS
BT Plants (botany)
NT Aplopappus
Convolvulues arvenisis
Flourensia cernua
Gutierrezia
Halogeton
Salsola
Sitantion hystrix
RT Allelopathy
Noxious plants
Plant invaders
Weeds

UNDISTURBED SOILS
BT Earth materials

UNDRAINED SHEAR TESTS
BT Shear tests
RT Soil compression tests

UNEMPLOYMENT
USE PUBLIC ASSISTANCE

UNFREE WATER
USE BOUND WATER

UNGRAZED
RT National parks
Natural areas
Research areas

UNGUICULATA
BT Eutheria
Mammals
Vertebrates
NT Bats
Carnivora
Cats
Chiroptera
Demoptera
Dogs (mammals)
Edentata
Guinea pigs
Hamsters
Insectivora
Lagamorpha
(Continued)

UNGUICULATA (Continued)
NT Lions
Mice
Pholidota
Rabbits
Rats
Rodents
Seals (mammals)
Squirrels
Tubulidentata

UNGULATA
UF Hoofed animals
BT Eutheria
Mammals
Vertebrates
NT Artiodactyla
Beef cattle
Camels
Cattle
Dairy cattle
Deer
Donkeys
Elephants
Equines
Goats
Horses
Mules
Perissodactyla
Proboscidea
Ruminants
Sheep
Sirenia
Swine
Zebras

UNIFIED SOIL CLASSIFICATIONS
USE SOIL CLASSIFICATIONS

UNIFORM MINIMUM HOUSING CODE
BT Codes

UNIFORM SOIL MOISTURE CONDITIONS
USE SOIL MOISTURE

UNINCORPORATED AREAS
BT Urban regions

UNINCORPORATED URBAN AREAS
BT Urban areas
Urban regions

UNINCORPORATED VILLAGES
BT Local government structure
Villages

UNIT HYDROGRAPHS
BT Hydrographs

UNIT WATER CONTENT
USE MOISTURE CONTENT

UNITS OF MEASUREMENT
UF Electrical units
Weights and measures
RT Dimensional analysis
Dimensions
Measurement
Metric system
Primary standards
Symbols

UNIVERSITIES
BT Institutions
Schools (education)

UNIVERSITIES AND COLLEGES -BUILDINGS
BT Buildings

UNIVERSITIES AND COLLEGES-HOUSING
UF College housing
Dormitories
RT Housing

UNIVERSITIES AND COLLEGES-RESEARCH
RT Research

UNIVERSITIES AND COLLEGES-RESEARCH SERVICES TO NEIGHBORING COMMUNITIES
UF City planning-university services to neighboring communities
Research service of colleges and universities to neighboring communities

UNIVERSITY CITY
BT Types of cities

UNJUST ENRICHMENT
RT Contracts
Quasi contracts (law)

UNIVERSITY EXTENSION
BT Extension education

UNIFORM FLOW
RT Flow patterns

UNLINED CANALS
BT Canals
Channels
Conduits
Open channels
RT Ditches
Irrigation canals
Laterals
Lined canals
Sublaterals

UNSATURATED FLOW
BT Flow
Movement
NT Capillary action
RT Drainage
Infiltration
Infiltration rate
Soil water movement
Subsurface drainage
Unsaturated soils
Zone of aeration

UNSATURATED SOILS
BT Earth materials
Materials
Soils
RT Moisture content
Soil water
Unsaturated flow
Water content

UNSKILLED WORKERS
UF Laborers
BT Personnel

UNSTEADY FLOW
UF Nonsteady flow
Transient flow
BT Flow
Fluid flow
Movement
NT Overland flow
RT Flow patterns
Ground water movement
Non-uniform flow
Resistance networks
Sheet flow
Theis equation
Turbulent flow
Orifice flow

UNWATERING
USE DEWATERING

UPLIFT
RT Block faulting
Cuestas
Tectonics

UPPER SONORAN LIFE ZONE
BT Life zones
Merriam life zones
RT Arid lands
Chaparral
Desert biome
Desert grassland
Grassland biome
Great basin
Lower sonoran life zone
Northern desert shrub
Pinyon-juniper
Sagebrush
Shortgrass

UPSTREAM
RT Downstream
Headwaters
Streams

URANIUM
BT Actinide series
Metals

URBAN
NT Settlements
Standard metropolitan areas
Urban areas
Urban settlement

URBAN ABSENTEE PROPRIETORS
RT Landlord

URBAN ADMINISTRATION
NT Annexation areas
Area redevelopment administration
City county consolidations
Civic divisions
Ethical ambivalence
Incorporated municipalities
Incorporation
Local government
Metropolitan integration
(Continued)

URBAN ADMINISTRATION (Continued)
NT Township governments
Townships
Zoning
RT Annexation areas
Courts
Metropolitan governments
Municipal boundaries
Municipalities
Nuisance factors
Police
Pollution
Zones

URBAN AESTHETICS
BT Aesthetics
Urban amenities
Urban societies
NT Signboards
Skyline drives

URBAN AGRICULTURAL COMMUNITIES
BT Types of communities

URBAN AIMS
NT Urban economic development goals
RT City building objectives
Urban interests
Urban objectives
Urban regional aims

URBAN AMBITIONS
RT Urban objectives

URBAN AMENITIES
NT Blighted areas
Civic auditorium
Civic centers
Civic improvement
Community beautification
Community ugliness
Cultural activity center
Cultural concentration
Highway beautification
Institutional centers
Museums
Optimum living
Outdoor advertising
Roadside improvement
Scenic development
Urban aesthetics

**URBAN ANALYSIS**
NT Analysis of urban areas
Census tract data
Central place scheme
Centrifugal force
Community analysis
Concentric rings
Concentric zones
Industrial location
Locational distribution
Locational patterns
Sector theory
Suburban and rural problems
Theoretical growth patterns
Urban causation
Urban ecology
Urban hierarchy
Urban phenomena
Wedge theory
RT Development potential
Computer graphics
Forecasts
Social conditions

**URBAN ANNUAL GROWTH RATE**
BT Population

**URBAN APPEARANCES**
BT City building
RT Urban renewal

**URBAN ARCHITECTURE**
NT Civic design
Office building development
Urban structures

**URBAN AREA CLASSIFICATION**
NT Blighted areas
Built up areas
City blocks
City settlement areas
Functional class
Industrial districts
Manufacturing belts
Neighborhoods
Residential areas
Residential districts
School districts
Standard consolidated areas
Standard metropolitan areas
Standard metropolitan statistical areas
Urbanized areas
RT Blight

**URBAN AREAS**
BT Geography
Urban
NT Apartment house zone
Built up areas
Central area
Central business districts
Central core
City blocks
Functional areas
Industrial districts
Innerbelt area
Metropolitan areas
Periphery
Residential districts
Suburban districts
Suburbs
Unincorporated urban areas
Urban central core
Urban characteristics
Urban complex
Urban hinterlands
Urban sub areas
Urbanized areas
Waterfront development
Zoning administration
RT Depressed areas
Megalopolis
Poverty areas
Urban environment
Urban regions
Urban sociology
Urban mapping
NT Business districts
Fringe areas
Industrial districts
Neighborhoods

**URBAN AREAS**
UF Cities
Large cities
Metropolitan areas
Suburbs
Urban atmospheres
Urban land use
NT Metropolitan areas
RT Assessments
Built up areas
Central city
Communities
Land use zoning
Megalopolis
(Continued)

URBAN AREAS (Continued)
RT Municipalities
Rural urban differences
Urban culture
Urban education
Urban environment
Urban immigration
Urban language
Urban population
Urban renewal
Urban renewal agencies
Urban schools
Urban slums
Urban teaching
Urban youth
Urbanization
Neighborhoods
Public health
Rural urban fringe
Sewers
Urban development
Utilities
Wastes

URBAN ATMOSPHERES
USE URBAN AREAS

URBAN BLIGHT
BT Urban problems
RT Urban renewal

URBAN CENTERS
BT Settlements
NT Regional core
RT Urban core

URBAN CENTRAL CORE
BT Urban areas

URBAN CENTRALITY
BT Spatial analysis

URBAN CHANGE
BT Urban development
Urban process
NT Community improvement
Deteriorating city
Filtering down process
Ghost towns
Maturation of cities
Metropolitan mobility
Metropolitan reform
(Continued)

URBAN CHANGE (Continued)
NT Migration of functions
Suburban growth
Suburbanization
Transition zones
Urban industrial changes
Urban reform
Urban revolution
Urban succession
Urbanization
RT Differentiation in social process
Technological changes
Urban sprawl

URBAN CHARACTER
NT Townscape

URBAN CHARACTERISTICS
BT Urban areas
Urbanism
RT Nature of cities

URBAN COMMERCIAL DEVELOPMENT
BT Commerce

URBAN COMMERCIAL POSITION
BT Commerce
RT Business

URBAN COMMUNITIES
RT Urban countries
Urban world
Urbanism

URBAN COMMUTING RADIUS
BT Suburbs
RT Transportation

URBAN COMPACTION
RT Population

URBAN COMPETITION
BT Economics
Sociology

URBAN COMPLEX
BT Urban areas

URBAN CONCENTRATIONS
BT Spatial analysis

URBAN CONCEPTIONS OF DEMOCRACY
BT Sociology

URBAN CONDITIONS
BT Urbanism

URBAN CONGESTION
BT Urban densities

URBAN CONSERVATION
BT Urban renewal
RT Neighborhood conservation

URBAN CONSOLIDATION
RT Intergovernmental relations
Urban regionalism

URBAN CORE
RT Urban centers

URBAN COUNTIES
BT Urban societies
RT Urban communities

URBAN CULTURE
RT Urban environment

URBAN DATA
BT Data
Urban information

URBAN DECAY
BT Blight

URBAN DECENTRALIZATION
BT Spatial patterns
RT Suburbs
Urban sprawl

URBAN DENSITIES
NT Apartment densities
Urban congestion
RT Concentrated settlement

URBAN DETERIORATION
RT Urban renewal

URBAN DEVELOPED LAND
BT Land use
urban development

URBAN DEVELOPERS
BT Urban development
RT City builders

URBAN DEVELOPMENT
BT Functional consolidations
Development
Urban growth
NT Axial growth
Building industry
Cluster development
Contiguous urban development
Functional consolidations
General development plan
Long range urban development
Noncontiguous urban development
Planned unit development
Radial corridor development
Residential development
Ribbon development
Shoreline development
Sprawl
Strip development
Substandard urban development
Tract development
Urban change
Urban developed land
Urban developers
Urban lot development
Urban planning
Urban redevelopment
RT Building market
Community renewal program
Depressed areas
Development corporations
Metropolitan development
Subdivider
Vacant lands

URBAN DISPERSAL
BT Spatial analysis

URBAN DISPERSION
NT Concentric zone theory
Multinucleated theory
Sector theory

URBAN DISTRIBUTION
BT Spatial patterns

URBAN ECOLOGY
BT Urban analysis
NT Balanced environment
Ecology of cities
Environmentalism

URBAN ECONOMIC BASE
BT Urban economics

URBAN ECONOMIC BASE STUDIES
RT Urban economics

URBAN ECONOMIC COMMUNITIES
BT Economics
Business

URBAN ECONOMIC DEVELOPMENT GOALS
BT Economics
Urban aims
Urban goals

URBAN ECONOMIC GROWTH
RT Economic growth

URBAN ECONOMIC PLANNING
BT Economic planning
Planning

URBAN ECONOMIC POLICY
BT Economic policy
Planning

URBAN ECONOMICS
NT Urban economic base
RT Urban economic base studies
Urban regionalism

URBAN ECONOMY
BT Economics
RT Business
Urban prosperity

URBAN ENVIRONMENT
BT Environment
RT Air pollution control
Ghettos
Inner city
Slums
Urban areas
Urban culture
Urban slums
Urban youth

URBAN EXPANSION
UF Urban growth
RT Annexation
Industrial development
Land development

URBAN EXTENSION
BT Extension education

URBAN EXTENSION SERVICE
BT Planning

URBAN FACILITIES
BT Urban functions
NT Metropolitan data center

URBAN FAMILIES
RT Urban inhabitants
Urban residents

URBAN FARMING
NT Market gardening

URBAN FIELDS
RT Business districts
Residential districts
Standard metropolitan areas

URBAN FORM
NT Arcades
Central business districts
Cities
Concentric ring pattern
Conurbation
Geographic cities
Green belts
Grid plan
Morphology
Optimum city size
Quarters
Sections
Segregation
Third dimension in cities
Towns
Urban agglomeration
Urban mass
Urban nonconformities
Urban patterns
Urban profile
Urban unconformities
Urban nonconformity
RT Urban nonconformity

URBAN FREEWAYS
BT Roads

URBAN FRINGE SLUMS
BT Slum housing

URBAN FRINGE AREAS
USE FRINGE AREAS

URBAN FRINGES
BT Fringe areas
Suburbs
RT City periphery
Outlying areas

URBAN FRONTIERS
BT Settlements
Suburbs
RT City periphery

URBAN FUNCTIONS
NT Functions of cities
Metropolitan functions
Urban facilities

URBAN GENERAL PLAN
BT Planning

URBAN GEOGRAPHY
UF Spatial analysis
BT Geography
NT Spatial relations
RT Megatropolis
Regional planning

Urban Ghettos
RT Metropolitan housing desegregation

URBAN GOALS
NT Urban economic development goals
RT Urban objectives
Urban regional aims

URBAN GOVERNMENT ADMINISTRATORS
BT City administration

URBAN GOVERNMENTS
BT Governments
Politics
NT Municipal government
Nunicipal management
Urban government activity expansion
Urban government organizational form
Urban physical control
Urban physical organization
RT Governmental finance

URBAN GROWTH
UF Urban expansion
NT Arterial urbanization
City building activities
Downtown development
Exploding metropolis
Horizontal growth
Intercity growth
Linear development
Municipal consolidation
Municipal expansion
Planless growth
Radial extension
Residential expansion
Residential goals in urban development
Subdivision regulations
Substandard urban growth
Sustained urban growth
Urban development
Urban evolution
Urban growth dynamics
Urban sprawl
Vertical growth
RT Metropolitan growth
Municipal annexation
Ribbon development
Subdivisions

URBAN GROWTH DYNAMICS
BT Urban growth

URBAN HELIOPORT PLANNING
RT Urban transportation

URBAN HIERARCHY
BT Urban analysis
Urban theories
NT City size

URBAN HIGHWAYS
BT Highways
RT Transportation

URBAN HILLS
RT Urban neighborhood rivalry

URBAN HINTERLANDS
BT Urban areas

URBAN HISTORY
RT Building technology

URBAN HOUSING
NT Substandard urban housing
RT Directors of housing relocation

URBAN IMMIGRANTS
RT Population changes

URBAN INDUSTRIAL CHANGES
BT Industrial development
Urban change
RT Business
Industries

URBAN INDUSTRIAL TRANSFORMATION
BT Industrial development

URBAN INDUSTRY
RT Employment

URBAN INFORMATION
BT Data
NT Documents
Urban center information data banks
Urban data

URBAN INHABITANTS
RT Urban families

URBAN INSTITUTIONS
NT Zoo

URBAN INTERESTS
RT Urban aims

URBAN INTERNAL IMPROVEMENTS
RT Urban renewal

URBAN LABOR SUPPLY
BT Manpower

URBAN LAND
BT Real estate
NT Urban land utilization
RT Functional consolidations
Public ownership
Spatial analysis

URBAN LAND CLASSIFICATION
NT Parks

URBAN LAND USE
UF Land use
Urban areas
BT Developments
Land use
NT Central area land use
Urban land use problems
RT Cultural activities
Planning
Use of urban space

URBAN LAND USE MAPS
BT Local government structure
Maps
RT Urban land use planning

URBAN LAND USE PATTERNS
BT Land use

URBAN LAND USE PLANNING
BT Land use
Land use planning
RT Urban land use maps

URBAN LAND USE PROBLEMS
BT Land use problems
Urban land use

URBAN LAND USE THEORY
BT Location theory
Spatial location
Urban theories

URBAN LAND UTILIZATION
BT Land utilization
Urban land

URBAN LEGISLATION
NT City planning enabling legislation

URBAN LOCATION THEORIES
NT Concentric zones

URBAN LOCATIONS
RT Urban sites

URBAN LOT DEVELOPMENT
BT Urban development

URBAN MAINTENANCE
BT Urban services

URBAN MAPPING
BT Mapping
RT Urban areas

URBAN MASS TRANSIT
BT Transportation
NT Urban rapid transit

URBAN METROPOLITAN REGION
BT Amenities
Location factors
Regions
Urban

URBAN METROPOLITAN STRUCTURE
BT Amenities
Location theory

URBAN MIGRANTS
BT Migrants

URBAN MIGRATION
RT Neighborhood stabilization
Population
Transportation

URBAN MORPHOLOGY
NT Block diagram
Buildings
City architecture
Civic centers
Residences
Skyline
Urban maturity

URBAN MOVEMENT
NT Urban movement consequences
RT Migrations
Population
Transportation

URBAN MOVEMENT CONSEQUENCES
BT Urban movement

URBAN OBJECTIVES
RT Urban aims
Urban ambitions
Urban goals

URBAN PATTERNS
BT Urban form
NT Area delineations
Axial pattern
Cluster pattern
Population distribution
Radial patterns
Urban residential patterns
Urban sprawl

URBAN PEOPLE
NT Urbanites
RT Urban families
Urban life

URBAN PLANNING
UF City planning
BT Functional consolidations
Planning
Urban development
NT Area planning
Comparative city planning
Comprehensive plan
Downtown planning
Joint planning
Land use planning
Landscape architecture
Metropolitan planning
Open space plan
Physical planning
Planned communities
Planning housing tracts
Planned industrial tracts
Planning administration
Planning districts
Planning program
Urban systems planning
RT Megalopolis
Municipal engineering
Area redevelopment act
Parking facilities
Public utilities
Urban structures
Transportation planning

URBAN PLANNING
UF City planning
Community planning
Town planning
BT Planning
NT Planned communities
City planning
(Continued)

URBAN PLANNING (Continued)
RT Blighted areas
Civil engineering
Community development
Economic planning
Flood plain zoning
Growth potential
Highway planning
High rise buildings
Land surveys
Land use
Megalopolis
Municipal engineering
Neighborhoods
Parking facilities
Parks
Public health
Public utilities
Recreational facilities
Regional planning
Residential buildings
Social change
Surveys
Traffic surveys
Urban development
Urbanization
Urban sociology
Urban transportation
Zoning

URBAN POLICY
RT Federal policy
Planning

URBAN POLITICS
RT Community organizations

URBAN POPULATION
BT Population

URBAN POPULATION INCREASE
BT Population growth
RT Migrations
Population

URBAN POPULATION MOVEMENTS
BT Population movements
RT Migrations
Population

URBAN PROCESS
BT Urban societies
NT Social centers
Suburbanization
Urban change
Urban systems

URBAN PROBLEMS
BT Sociology
NT Anti urban bias
City intergroup conflict
Community erosion
Urban blight
Urban hills
Urban rivalry

URBAN PROJECTION
BT Forecasts

URBAN PROSPERITY
RT Urban economy

URBAN RAILWAYS
USE RAPID TRANSIT RAILWAYS

URBAN RAPID TRANSIT
UF Rapid transit railways
BT Urban mass transit

URBAN REDEVELOPMENT
UF Urban renewal
BT Urban development
Urban renewal
NT Piecemeal redevelopment
Relocation projection
Residential relocation
RT Blight
Open land redevelopment

URBAN REFORM MOVEMENT
BT Urban reform

URBAN REGIONS
BT Regions
NT Ad hoc regions
Agricultural hinterlands
City region
City size
Core cities
Interstate metropolitan areas
Megalopolises
Spread city
Town planning region
Unincorporated areas
Unincorporated urban areas

URBAN REGIONALISM
RT Urban consolidation
Urban economics
Urban regional aims

URBAN REHABILITATION
USE NEIGHBORHOOD REHABILITATION

URBAN RELOCATION
BT Relocation
RT Regional planning
Urban renewal

URBAN RENEWAL
BT City building
City planning
Federal programs
Redevelopment
NT Blighted vacant lands
City planning commissions
City rebuilding
Civic improvement
Clearance
Community renewal
Conservation
Existing use value
Local renewal objectives
mid city urban renewal
Neighborhood reclamation
RT Obsolete metropolitan areas
Property improvement
Redevelopment areas
Relocation
Reuse appraisals
Rural renewal
Shanty towns
NT Redevelopment policy
Redevelopment project
Renewal areas
Residential rehabilitation
Residential renewal
Slum clearance
Social renewal
Urban conservation
Urban redevelopment
Urban rehabilitation
Urban rehabilitation cooperatives
Urban renewal activities
Urban renewal administrators
Urban renewal land disposition
Urban renewal programs
Urban renewal relocation
Urban renewal strategy
Urban revitalization
Urban revival
Urban self regeneration
Redevelopment

URBAN RENEWAL
UF Community renewal
Local public agencies
Metropolitan renewal
Redevelopment, urban
Rehabilitation
Slum clearance
Urban redevelopment
BT Urban renewal
NT City building
City planning
Federal programs
Redevelopment
Slum clearance
Urban renewal legislation
RT Area preservation
Architecture-conservation and restoration
Business districts
City planning
Development value
Development corporations
Distressed areas
Economic planning
Code enforcement
Historic preservation
Industrial districts-redevelopment
Industrial location
Model cities
Neighborhood rehabilitation
Relocation
Urban renewal films
Urban renewal legislation
Urban blight
Urban deterioration
Workable program
Slum clearance
Slums
Urban appearances
Urban internal improvements
Urban relocation
Urban renewal specialists
Urban sociology

URBAN RENEWAL ACTIVITIES
BT Urban renewal

URBAN RENEWAL ADMINISTRATORS
BT City planning
Urban renewal

URBAN RENEWAL AGENCIES
RT Slums

URBAN RENEWAL-BUSINESS PARTICIPATION
UF Business participation

URBAN RENEWAL-CITIZEN PARTICIPATION
UF Citizen participation

URBAN RENEWAL LAND DISPOSITION
BT Urban renewal

URBAN RENEWAL-LAW AND LEGISLATION
USE URBAN RENEWAL LEGISLATION

URBAN RENEWAL LEGISLATION
UF Urban renewal-law and legislation
BT Legislation
Urban renewal
RT Law
Urban renewal
Legislation

URBAN RENEWAL PROGRAMS
BT Urban renewal

URBAN RENEWAL RELOCATION
BT Urban renewal

URBAN RENEWAL SPECIALISTS
BT City planners
RT City planning
Urban renewal

URBAN RENEWAL STRATEGY
BT City planning
Urban renewal

URBAN RESEARCH
NT Land use analysis
Real estate research
RT Metropolitan research
Qualitative analysis
Research

URBAN RESIDENTIAL PATTERNS
BT Land use
Urban patterns
RT Residences

URBAN REFORM
BT Urban change
NT Reform movement
Urban reform movement
RT Governments
Politics

URBAN REGIONAL AIMS
RT Urban aims
Urban goals
Urban regionalism

URBAN REGIONS
BT Regions
RT Urban areas

URBAN REHABILITATION
BT Urban renewal

URBAN RESEARCH
NT Land use analysis
Marketing analysis
Real estate research

URBAN RESIDENTS
BT Urbanites
RT Population
Urban families

URBAN REVITALIZATION
BT Urban renewal

URBAN REVIVAL
BT Urban renewal

URBAN REVOLUTION
BT Urban change

URBAN RURAL AREAS
BT Rural areas
Suburbs

URBAN RURAL CONFLICTS
BT Politics
RT Governments
Rural urban fringe

URBAN RURAL DIFFERENCES
USE RURAL URBAN DIFFERENCES

URBAN RURAL PROBLEMS
RT Rural problems
Suburban problems

URBAN SANITATION
NT City dump

URBAN SERVICES
NT Civil defense
Communication
Communication complexes
Community chests
Community facilities
Community recreation
Drainage districts
Environmental sanitation
Fire department
Forest preserves districts
Hospitals
Libraries
Main line services
Mass transportation
Municipal libraries
Municipal services
Museums
Power generation
Power supply
Public health agencies
Public utilities
Recreational units
Refuse collection and disposal
Refuse removal
Senior centers
Sewerage systems
Social services
Urban government services
Urban main tenance
Urban welfare programs
Waterways
RT Community services
Conservation
Coroner
Drainage
Residential facilities
Sidewalks
Water pollution

URBAN SETTING
NT Ecology of cities
Habitats
RT Pollution

URBAN SETTLEMENT
BT Urban

URBAN SITE PLANNING
BT Urban sites

URBAN SITES
BT Geography
NT Urban site planning
RT Urban locations

URBAN SLUMS
BT Slums
RT Urban environment

URBAN SOCIAL STRUCTURE
BT Sociology
NT Lower class
Metropolitan associations
Middle class
Popular neighborhoods
Primary communities
Upper class

URBAN SOCIOLOGY
BT Social aspects
Social sciences
Sociology
RT Area redevelopment
City planning
Community development
Rural sociology
Social mobility
Urban areas
Urbanization
Urban renewal

URBAN SOCIETIES
BT Societies
NT Livability of i city
Social process
Standard of living
Tradition
Urban aesthetics
Urban affairs
Urban behaviors
Urban countries
Urban industrial societies
Urban living
Urban man
Urban personality
Urban process
Urbanized countries
RT Communities
Public policy
Urban families
Urban life
Urban promoters

URBAN SPRAWL
- UF City growth
- BT Urban growth
  - Urban patterns
  - Sprawl
- RT Urban change
  - Urban decentralization

URBAN SQUALOR
- RT Slums

URBAN STRUCTURES
- BT Urban architecture
- RT Urban planning

URBAN STUDIES
- BT History
- RT Economic base
  - Retrieval
  - Urban regionalism

URBAN SUB AREAS
- BT Urban areas

URBAN SUBDIVISIONS
- NT Downtown
  - Metropolitan districts

URBAN SUCCESSION
- BT Urban change

URBAN SYSTEMS
- BT Urban process
- NT Sewerage systems
  - Water supply systems

URBAN SYSTEMS PLANNING
- BT Planning
  - Urban planning

URBAN THEORIES
- NT Accessibility
  - Central place theory
  - Concentric circle theory
  - Concentric zone theory
  - Economic base theory
  - Gemeinschaft Gessellschaft
  - Hierarchy of cities
  - Location theory
  - Metropolitanism
  - Multiple nuclei theory
  - Rank size relationships
  - Sector theory
  - (Continued)

URBAN THEORIES (Continued)
- NT Size
  - Social disorganization
  - Social mobility
  - Urban heirarchy
  - Urban land use theory
  - Urban size hierarchy
  - Von thumen theory
  - Zonal theory
- RT Industrial location

URBAN TRAFFIC
- BT Traffic

URBAN TRANSIT
- NT Mass rapid transit
  - Speedwalks
  - Tramways
  - Trolley

URBAN TRANSIT INDUSTRY
- BT Transportation

URBAN TRANSIT PROBLEMS
- BT Transit problems
  - Transportation

URBAN TRANSPORT FACILITIES
- BT Transport facilities
  - Transportation
- RT Commerce

URBAN TRANSPORT SYSTEMS
- BT Transportation

URBAN TRANSPORTATION
- BT Transportation
- NT Urban transportation decisions
- RT Transit problems
  - Transport facilities
  - Urban helioport planning

URBAN TRANSPORTATION CHARACTERISTICS
- BT Circulation

URBAN TRANSPORTATION DECISIONS
- BT Transportation
  - Urban transportation

URBAN TYPE
- NT Boom towns
  - Capital city
  - (Continued)

URBAN TYPE (Continued)
NT Coast cities
Hill towns
Macro city
Megalopolises
Micro city
Model towns
Satellite cities

URBAN WORLD
RT Urban communities

URBAN YOUTH
BT Youth
RT Urban areas
Urban dropouts
Urban environment

URBAN ZONING
RT Business
Governments

URBANISM
NT Urban characteristics
Urban conditions
Use of urban space
RT Urban communities

URBANISM ANALYSIS
NT Analysis of urban areas

URBANITES
BT People
Urban people
NT Urban residents

URBANIZATION
UF Suburban studies
BT Amenities
Central place theory
Concentration
Urban change
RT Economics
Roads
Sociology
Industrialization
Utilities
Zoning
Rural-urban fringe
Regional economics
Urban sociology

URBANIZATION RATES
RT Migrations
Population

URBANIZED AREAS
BT Urban area classification
Urban areas
RT Geographic cities

URBANIZING AREAS
RT Metropolitan growth

UREAS
RT Fertilizers
Urine

URINE
BT Chemical compounds
Nitrogen compounds
Organic compounds
Wastes
RT Domestic wastes
Farm wastes
Sewage
Ureas
Water pollution sources

USE OF URBAN SPACE
BT Urbanism
RT Primate cities
Urban land use

USE OF WATER
USE WATER UTILIZATION

USE RATES
BT Rates
NT Water rates
RT Recreation
Water utilization

USABLE OPEN SPACE
BT Open spaces

UTAH
BT Geographical regions
States (geographical)

UTILITIES
NT Electric utilities
Industrial waste treatment
Public utilities
Sewage treatment plants
(Continued)

UTILITIES (Continued)
NT Underground wiring
Waterworks
Water treatment plants
RT Electricity
Electric networks
Electric power
Electric power industry
Facilities
Industrial water
Industries
Rates
Water utilization
Public utility districts
River basin development
Sewage districts
Sewers
Urbanization
Water control
Water distribution (applied)

UTILIZATION
RT Water rates

UTILIZATION RESEARCH
USE CHEMURGY

ULTRAVIOLET RAYS
USE ULTRAVIOLET RADIATION

UTOPIANISM
BT Perfect society

UTOPIAN UNIFORMITY OF CITIES
BT Renaissance cities
RT Model cities

UTOPIAS
RT Communal influence
Company towns
Planned societies
Planning

VACANCY SURVEYS
UF Housing-vacancies
RT Housing
Housing surveys
Survey methods

VACANT LAND
RT Land use

VACANT LAND CLASSIFICATION
BT Land use

VACANT LANDS
BT Open spaces
RT Urban development

VACANT POSSESSION
RT Location factors
Real estate

VACATION HOMES
BT Second homes

VADOSE WATER
UF Argic water
Kremastic water
BT Soil water
Subsurface waters
Water
Water types
NT Adsorbed water
Capillary water
Excess water (soils)
Fringe water
Hygroscopic water
RT Gravitational water
Hydrogeology
Meteoric water
Subsurface flow
Zone of aeration

VALLEYS
BT Land forms
NT Stream valley
RT Erosion
Large watersheds
Regions
Rivers
Slopes
Streams
Watersheds (basins)
Ravines
River basins
(Continued)

VALLEYS (Continued)
RT Stream channels
Structural geology
Terrain
Topography

VALUATION
USE APPRAISAL

VALUE
UF Monetary value
Worth
NT Market value
Salvage value
Social values
Water values
RT Depreciation
Engineering obsolescence
Land appraisal

VALUE ENGINEERING
BT Engineering
RT Costs
Evaluation
Economics
Quality control

VALUES
NT Property values
RT Attitudes
Beliefs

VALVES
UF Faucets
NT Hydraulic valves
RT Diversion works
Regulation
Trickle irrigation

VANADIUM
BT Chemical elements
Metals
Transition metals
RT Refractory metals
Vanadium isotopes

VANADIUM ALLOYS
BT Alloys
Metals
RT Steel
Vanadium

**VANDALISM**
UF Destruction of property

**VANES**
RT Flow deflectors

**VAPOR BARRIER**
USE MOISTURE CONDENSATION

**VAPOR PRESSURE**
RT Evaporation
Soil physical properties
Water properties
Water vapor

**VAPOR TRAILS**
USE CONDENSATION TRAILS

**VAPORIZING**
UF Revaporization
Vaporization
Volatilization
NT Evaporation
Gasification
Gate valves
RT Distillation
Heating
Separation
Spraying
Transpiration
Vapors

**VAPORIZATION**
UF Vaporizing
NT Evaporation
RT Desalination
Distillation
Heating
Liquid-gas interfaces
Liquid-vapor interfaces
Separation
Thermal properties
Vapors

**VAPORS**
BT Fluids
Gases
NT Precipitable water
Water vapor
RT Liquid-gas interfaces
Liquid-vapor interfaces
Smog
Smoke
Vaporization
Vaporizing

**VARVED CLAYS**
USE CLAYS

**VEGETABLE CROPS**
UF Truck crops
Vegetables
BT Farm crops
Plants (botany)

**VEGETABLE FIBERS**
USE PLANT FIBERS

**VEGETABLES**
USE VEGETABLE CROPS

**VEGETAL COVER**
NT Nesting cover
Shore-line cover
RT Forests
Grasslands
Protective coverings
Ranges
Vegetation
Weed growth

**VEGETAL RELATIONSHIPS**
RT Climatic-vegetal relationships
Climax
Continuum

**VEGETATION**
BT Landscape

**VEGETATION**
UF Foliage
Plant cover
NT Relict vegetation
RT Crop yield
Flora
Forests
Plants (botany)
Revegetation
Vegetal cover

**VEGETATION EFFECTS**
UF Ground cover effects
BT Effects
Environmental effects
RT Environmental effects
Plants (botany)
Runoff
Sheet erosion
Shelter belts

(Continued)

VEGETATION EFFECTS (Continued)
RT Water yield
Weeds
Wildlife
Windbreaks

VEGETATION ESTABLISHMENT
UF Immigration (plant)
NT Reforestation
RT Ecotypes
Erosion control
Highway beautification
Highways
Land management
Plants (botany)
Revegetation
Roadbanks
Roads
Sand control
Slope stability
Slope stabilization
Soil conservation
Soil surfaces
Spoil banks
Weed growth

VEGETATION MAPS
BT Maps
RT Phytogeography
Plant distribution
Transect

VEGETATION REGROWTH
UF Regrowth (vegetation)
Stooling
Suckering
BT Growth
Plant growth
RT Cutting management
Plants (botany)
Revegetation
Weed control
Wildlife management

VEGETATION TYPES
BT Desert biomes

VEHICLES
UF Cars (not automobiles)
Trucks
RT Aircraft
Boats
Motor vehicles
Parking areas

VEHICULAR TRAFFIC
UF Highway traffic
Street traffic
BT Traffic
RT Highway transportation
Traffic engineering
Vehicular traffic control

VEHICULAR TRAFFIC CONTROL
UF Traffic islands
Traffic lanes
Traffic markings
Traffic signs
BT Traffic control
RT Vehicular traffic

VEHICULAR TUNNELS
UF Highway tunnels
BT Tunnels
NT Toll tunnels
RT Railroad relocation

VELOCITY
UF Speed
NT High velocity
Seismic velocity
Settling velocity
[illegible] velocity
RT Bed movements
Bed ripples
Energy equations
Energy gradient
Motion
Test canals
Kinetic energy
Kinetics
Movement
Stream gages

VELOCITY METERS
BT Equipment
Instrumentation
Measuring instruments
Meters
Test equipment
NT Flowmeters
Orifice meters
RT Fluid flow
Stream gages

VENTILATORS
USE VENTILATION

VENTURI FLUMES
UF Parshall flumes
BT Channels
Conduits
Conveyance structures
Engineering structures
Flumes
Hydraulic structures
Open channels
Structures
RT Concrete structures
Discharge measurement
Discharge (water)
Flowmeters
Irrigation engineering
Overflow
Weirs

VENTILATION
UF Ventilators
RT Cooling
Entrances (fluid flow)
Environmental engineering
Exhaust hoods
Exhaust systems
Exhausting
Intakes
Mines
Safety
Temperature

VERTEBRATES
NT Amphibia
Artiodactyla
Bass
Beef cattle
Birds
Carnivora
Carp
Catfishes
Cats
Cattle
Chickens
Dairy cattle
Deer
Dogs (mammals)
Domestic animals
Donkeys
Ducks
Equines
Fish
Fishes
Flatfishes
(Continued)

VERTEBRATES (Continued)
NT Freshwater fishes
Frogs
Game birds
Geese
Goats
Herrings
Horses
Lagamorpha
Mammals
Marine fishes
Mice
Minnows
Mules
Perch
Perissodactyla
Pheasants
Pigeons
Poultry
Primates
Rabbits
Rats
Reptiles
Rodents
Salamanders
Salmon
Sheep
Snakes
Squirrels
Swine
Toads
Trout
Turkeys
Turtles
Unguiculata
Ungulata
Vertebrates

VERTICAL INTEGRATION
RT Agribusiness
Contract farming

VERTICAL MULCHING
RT Mulching
BT Land management

VERTISOLS
BT Intrazonal soils

VESSELS
RT Tanks (containers)
Storage tanks
Waste disposal

VESSELS (SHIPS)
USE SHIPS

VETERAN'S GUARANTEED LOANS
BT Loans
RT Banks and banking
Federal housing programs
Mortgage finance

VETERANS' HOUSING
RT Federal housing programs
Finance
Housing

VIADUCTS
BT Highways
Transportation

VIBRATION
RT Earthquake loads
Earthquakes
Liquefaction
Motion
Seismic design
Seismic waves
Seismology
Sherar waves
Shock (mechanics)
Shock resistance
Shock waves
Soil dynamics
Soil liquefaction

VIDEO
USE TELEVISION

VILLAGES
UF Small towns
BT Political areas
Settlements
Rural communities
NT Depopulated mining villages
Hamlets
Market villages
Strassendorf
Unincorporated villages
RT City planning
Local government
Village community social cohesiveness
Village community social homogeneity
Village masters
Village population analysis

VIBRATORY COMPACTION
RT Compaction

VIRUSES
BT Microorganisms
NT Bacteriophage
Plant viruses
RT Aquatic microbiology
Aquatic microorganisms
Biocontrol
Biology
Diseases
Epidemiology
Epiphytology
Epizootiology
Medicine
Microbiology
Public health
Viricides
Water pollution sources

VISCOSITY
UF Fluidity
Viscous yielding
BT Mechanical properties
Physical properties

VISCOUS YIELDING
USE VISCOSITY

VISUAL CLASSIFICATIONS
BT Classifications
RT Color
Field classifications
Field investigations
Foundation investigations
Gradation
Grain shapes
Grain sizes
Odor
Soil analysis
Soil classification
Soil investigations
Soil physics
Wet condition

VISUAL RESOURCES
RT Open space

VITAL STATISTICS
RT Census
Demography
Life span
Mortality
Population growth

VITAMINS
RT Foods

VOCATIONAL AGRICULTURE
BT Agricultural education

VOCATIONAL EDUCATION
UF Occupational courses
Occupational training
Vocational training
BT Education
Training
NT Adult vocational education
Agricultural education
Business education
Distributive education
Health occupations education
Home economics education
Prevocational education
Technical education
Trade and industrial education

VOCATIONAL INDUSTRIAL EDUCATION
USE TRADE AND INDUSTRIAL EDUCATION

VOCATIONAL TRAINING
USE VOCATIONAL EDUCATION

VOID RATIO
RT Water content
Soil density

VOLATILIZATION
USE VAPORIZING

VOLCANIC ROCKS
UF Hypabyssal rocks
BT Crystalline rocks
Igneous rocks
Rocks
NT Lava
Perlite
RT Acidic rocks
Basic rocks
Intermediate rocks
Plutonic rocks

VOLCANIC ASH
BT Earth materials

VOLCANOES
BT Land forms
Topographic features
RT Calderas
Craters
Juvenile water
Land forms
Lava flows
Mountains
Pinacate
Submarine topographic features

VOLTAGE
USE ELECTRIC POTENTIAL

VOLTAGE REGULATION
BT Regulation

VOLUME
RT Mass

VOLUME CHANGE
RT Shrinkage
Temperature rise
Expansive clays
Expansive soils

VOLUME WEIGHT
USE DENSITY (MASS/VOLUME)

WAGES
UF Earnings
Labor payments
Salaries
NT Agricultural wages
Family wages
Minimum wage
RT Fringe benefits
Incentives
Income

WAGONS
USE TRAILERS

WALKS
USE SIDEWALKS

WALKWAYS
UF Passageways
RT Pedestrian systems

WALKS
NT Firewalls
Headwalls
Sea walls
RT Sheeting

WAREHOUSES
BT Engineering structures
RT Architecture
Buildings
Industrial buildings
Materials handling
Storage
Structural design
Supply

WARFARE (BIOLOGICAL)
USE BIOLOGICAL WARFARE

WARFARE (CHEMICAL)
USE CHEMICAL WARFARE

WARM SPRINGS
BT Bodies of water
Running waters
Springs (water)
Thermal springs
RT Geothermal studies
Hot springs
Hydrogeology

WARNING SYSTEMS
UF Flood warning
RT Earthquake warning systems
Fire prevention
Fire protection
Flood control
Flood forecasting
Hurricanes
National defense
River forecasting
Tornadoes
Water pollution

WARRANTS (LAND)
USE LAND WARRANTS

WASH LOAD
USE SUSPENDED LOAD

WASHOUTS
BT Erosion
RT Bank stability
Banks
Bridges
Bridges (structures)
Channels
Cloudbursts
Dams
Erosion
Gullies
Roads
Storm runoff

WASPS
USE HYMENOPTERA

WASTE ASSIMILATIVE CAPACITY
RT Biodegradation
Nutrients
Organic matter
Oxygen
Surface waters
Wastes
Waste treatment

WASTE DILUTION
UF Dilution (wastes)
BT Dilution
Treatment
Waste disposal
Waste treatment
RT Disposal
Flow control
Reservoir releases
Wastes

WASTE DISPOSAL
BT Disposal
NT Landfill
Radioactive waste disposal
Sewage disposal
Sludge disposal
Toxic waste disposal
Ultimate disposal
Waste dilution
Waste dumps
Waste water disposal
RT Cesspools
Containers
Desalination
Earthfill
Environmental engineering
Elimination
Exhaust systems
Exhaust gases
Farm lagoons
Farm wastes
Injection wells
Industrial wastes
Lagoons (ponds)
Landfills
Litter
Non-consumptive use
Pollution
Recreation wastes
Refuse disposal
Riparian rights
Sanitary engineering
Settling basins
Sewage lagoons
Septic tanks
Storage
Stream pollution
Vessels
Waste dumps
Waste disposal wells
Waste stabilization ponds
Waste storage
Waste treatment
Waste water use
Wastes
Water pollution
Water pollution tailings

WASTE DISPOSAL WELLS
BT Wells
RT Disposal
Underground waste disposal
Water disposal
Waste water disposal
Wastes

WASTE DUMPS
BT Disposal
Waste disposal
NT Garbage dumps
RT Mine wastes
Mining
Solid wastes
Waste disposal

WASTE GASES
USE EXHAUST GASES

WASTE HEAT
BT Energy
Heat
RT Demineralization
Desalination

WASTE HEAT RECOVERY
USE HEAT RECOVERY

WASTE IDENTIFICATION
BT Analytical techniques
RT Biological properties
Wastes
Water pollution sources

WASTE MANAGEMENT
NT Incineration
Refuse disposal
Salvage
Sanitation
Solid waste disposal
RT Sewerage

WASTE PAPERS
BT Papers
RT Newsprint
Pulpers

WASTE STABILIZATION PONDS
BT Bodies of water
Ponds
Standing waters
RT Algae
Bacteria
Industrial wastes
Microorganisms
Organic compounds
Sewage treatment
Waste disposal
Waste treatment

WASTE STORAGE
UF Lagooning
BT Storage
RT Water disposal

WASTE TREATMENT
BT Treatment
Public service
NT Denitrification
Flocculation
Industrial waste treatment
Sewage filtration
Sewage treatment
Sludge treatment
Tertiary treatment
Waste dilution
Waste water treatment
RT Membrance processes
Separation techniques
Settling basins
Waste disposal
Wastes
Pollution
Reaeration
Radioactive waste disposal
Sewage treatment plants
Separation techniques
Septic tanks
Settling basins
Sulfite liquors
Toxic waste disposal
Treatment facilities
Ultimate disposal
Waste disposal
Waste assimilative capacity
Waste stabilization ponds

WASTE WATER
BT Wastes
Water
RT Industrial wastes
Industrial water
Irrigation
Water pollution

WASTE WATER DISPOSAL
BT Disposal
Waste disposal
RT Artificial recharge
Effervescence
Effluents
Injection wells
Waste water (pollution)
(Continued)

WASTE WATER DISPOSAL (Continued)
RT Wastes
Sewage disposal
Sewage effluents
Sewage treatment plants
Waste water treatment
Waste disposal wells

WASTE WATER (DRAINAGE)
USE DRAINAGE WATER

WASTE WATER(IRRIGATION)
use return flow

WASTE WATER (POLLUTION)
BT Water types
NT Acid mine water
RT Effervescence
Effluents
Environmental sanitation
Waste water disposal
Waste water treatment
Water pollution
Water quality
Water reuse

WASTE WATER RECLAMATION
USE WATER REUSE

WASTE WATER TREATMENT
BT Treatment
Waste treatment
Water treatment
NT Flocculation
RT Distillation
Industrial wastes
Sewage treatment
Wastes
Waste water (pollution)
Waste water disposal

WASTE WATER USE
BT Reclamation
Water reuse
RT Irrigation
Sewage treatment
Waste disposal
Water pollution
Water quality
Water reuse
Water treatment

WASTE WOOD
USE WOOD WASTE

WASTEFUL STREETS
BT Roads

WASTEWAYS
BT Engineering structures
Hydraulic structures
RT Spillways

WASTES
NT Food waste
Garbage
Slaughterhouse waste
Wood waste
RT Ashes
Sanitary engineering
Settling basins
Sludge
Waste disposal
Waste utilization
Water pollution

WASTES
UF Refuse
NT Agricultural wastes
Airborn wastes
Tailings
Refuse
Litter
Acid mine water
Animal wastes (wildlife)
Chemical wastes
Coal mine wastes
Domestic wastes
Farm wastes
Garbage
Industrial wastes
Liquid wastes
Mine wastes
Municipal wastes
Oil wastes
Organic wastes
Pulp wastes
Radioactive wastes
Recreation wastes
Sewage
Sewage sludge
Solid wastes
Strip mine wastes
Sulfite liquors
Urine
Waste water
Wood wastes

WASTES (Continued)
RT Corrosion environments
Effervescence
Effluents
Environmental sanitation
Exhaust gases
Incineration
Inflow
Leakage
Pollutants
Pollution
Residues
Sewage disposal
Sewage effluents
Sewers
Slags
Solutes
Waste assimilative capacity
Waste dilution
Waste disposal
Waste disposal wells
Waste identification
Waste treatment
Waste water disposal
Waste water treatment
Water pollution
Water pollution sources

WASTELANDS
BT Land
NT Moors

WATER
UF Moisture condensation
NT Acid mine water
Adsorbed water
Artesian water
Boiler feed water
Bottom water
Brackish water
Brines
Capillary water
Confined water
Connate water
Excess water (soils)
Feed water
Fresh water
Fringe water
Gravitational water
Ground water
Heavy water
Hygroscopic water
Industrial water
Irrigation water
(Continued)

WATER (Continued)
NT Juvenile water
Lakes
Melt water
Mine water
Municipal water
Perched water
Percolating water
Phreatic water
Potable water
Reclaimed water
Reservoirs
Return flow
Rivers
Saline groundwater
Saline water
Sea water
Snowmelt
Soil water
Supplemental water
Surface water runoff
Surface waters
Underflow
Vadose water
Waste water
Water resources
RT Corrosion environments
Estuaries
Farm ponds
Ground water hydrology
Ground water potential
Headworks
Humidity
Hydraulic engineering
Ponds
Reservoir fluids
Tides
Hydrography
Lagoons (ponds)
Lakes
Water policy
Water pollution
Water pressure
Water properties
Water requirements
Water sampling
Water sources

WATER ACTIVATED BATTERIES
BT Electric batteries
Primary batteries
Reserve batteries

WATER-AIR INTERFACES
USE AIR-WATER INTERFACES

WATER ALLOCATION (APPLIED)
USE WATER DISTRIBUTION (APPLIED)

WATER ALLOCATION
USE WATER LAWS

WATER ALLOCATION (POLICY)
UF Water distribution (policy)
BT Allocations
Policies
RT Administration
Distribution
Industrial water
Irrigation practices
Legal aspects
Planning
Recreation
Reservoir operation
Water policy
Water pollution
Water reuse
Water rights
Water utilization

WATER ANALYSIS
UF Sewage analysis
BT Chemical analysis
Chemical tests
RT Aquatic biology
Sewage treatment
Water pollution
Water treatment

WATER APPLICATION RATE
RT Evapotranspiration
Irrigation
irrigation practices
Irrigation systems
Moisture content
Surface irrigation

WATER BALANCE
UF Balance (water)
BT Material balance
RT Discharge (water)
Evaporation
Flow
Osmosis
Precipitation (atmospheric)
(Continued)

WATER BALANCE (Continued)
RT Runoff
Water
Water storage

WATER BASE MUDS
BT Drilling fluids

WATER-BEARING FORMATIONS
USE AQUIFERS

WATER BIOLOGY
USE AQUATIC BIOLOGY

WATER BIRDS
UF Aquatic birds
BT Animals
Aquatic life
Birds
Non-game birds
Wildlife
RT Bird types

WATER BLOOM
USE EUTROPHICATION

WATER BODIES
USE BODIES OF WATER

WATER BORNE SEALANTS
BT Sealants

WATER BUDGET
BT Budgets
RT Evaporation
Precipitation (atmospheric)

WATER CEMENT RATIO
BT Ratios
RT Concretes

WATER CHEMISTRY
BT Chemistry
RT Aquatic biology
Chemical analysis
Limnology
Saline water systems
Trace elements
Water pollution
Water properties
Water structure

WATER CIRCULATION
BT Circulation
Movement
RT Currents (water)
Cycles
Hydraulics
Movement
Pumping
Surges
Waves
Waves (water)
Reaeration
Surges
Thermal stratification
Turbulence
Turnovers

WATER CLARIFICATION
USE WATER PURIFICATION

WATER COLLECTION SYSTEMS
UF Collection systems (water)
RT Dams
Drains
Hydraulic structures
Surface waters
Water
Watersheds (basins)

WATER COLUMN SEPARATION
RT Pumping
Subatmospheric pressure
Surges

WATER CONDITIONING
USE WATER TREATMENT

WATER CONDUITS
RT Aqueducts
Flumes

WATER CONSERVATION
BT Conservation
Natural resource conservation
Resource conservation
RT Cutting management
Hydrology
Land forming
Mulching
Runoff
Water
Spreading basins
(Continued)

WATER CONSERVATION (Continued)
RT Stubble mulching
Transpiration control
Water management
Water management (applied)
Water policy
Water pollution
Water resources
Watersheds (basins)
Water storage
Water treatment
Water utilization
Wildlife conservation
Fallowing
Water flow
Watersheds

WATER CONSUMPTION
UF Consumptive use of water
Duty of water
Water duty
BT Consumption
RT Demand (irrigation systems)
Industrial water
Irrigation
Non-consumptive use
Water

WATER CONTENT
RT Humidity
Moisture
Moisture content
Moisture meters
Soil moisture
Soil shrinkage
Subsurface moisture
Void ratio
Unsaturated soils
Water
Water vapor
Wet condition

WATER CONTRACTS
RT Water rights

WATER CONTROL
BT Control
RT Canals
Conveyance structures
Dams
Erosion control
Flow control
(Continued)

WATER CONTROL (Continued)
RT Gaging stations
Hydraulic structures
Irrigation systems
Outlet works
Pipelines
Reservoir operation
River regulation
Routing
Spillways
Utilities
Water
Water management (applied)
Water resources management
Waterworks

WATER CONVEYANCE
UF Conveyance (water)
RT Canals
Channels
Conduits
Conveyance structures
Ditches
Flumes
Hydraulic structures
Irrigation canals
Pipelines
Pipes
Pumps
Tunnels
Water
Water loss
Water tunnels (conveyance)
Water utilization
Waterworks

WATER COOLED REACTORS
BT Heteorogeneous reactors (nuclear)
Nuclear reactors

WATER COOLING
BT Cooling
RT Electric generators
Freezing

WATER COSTS
BT Costs
RT Demineralization
Desalination
Fresh water
Ground water
Industrial water
Irrigation water
Reservoir operation
Water

WATER CURRENTS
USE WATER FLOW

WATER CYCLES
USE HYDROLOGIC CYCLE

WATER DELIVERY
RT Irrigation
Irrigation practices
Pumping
Water
Water loss

WATER DEMAND
BT Demand
RT Administration
Economics
Industrial water
Irrigation water
Requirements
Water
Water management (applied)
Water policy
Water reuse
Water utilization

WATER DEPRIVATION
UF Water privation
BT Deprivation

WATER DESALTING
USE DESALINATION

WATER DEVELOPMENT
USE WATER RESOURCES DEVELOPMENT

WATER DISTRIBUTION
RT Hydrants
Irrigation
Pumps
Water
Water treatment

WATER DISTRIBUTION (APPLIED)
UF Water allocation (applied)
BT Distribution
RT Distribution systems
Flow
Flow profiles
Irrigation
Irrigation practices
Irrigation systems
(Continued)

WATER DISTRIBUTION (APPLIED) (Continued)
RT Laterals
Piplines
Public utilities
Pumps
Reservoirs operation
Utilities
Water
Water management (applied)
Water storage
Water table
Water tanks
Water tunnels (conveyance)
Water utilization
Waterworks

WATER DISTRIBUTION (POLICY)
USE WATER ALLOCATION (POLICY)

WATER DRIVE
RT Reservoir engineering
Water influx
Water injection

WATER DUTY
USE DUTY OF WATER
WATER CONSUMPTION

WATER-EARTH INTERFACES
USE EARTH-WATER INTERFACES

WATER ENCROACHMENT
USE WATER INFLUX

WATER EQUIVALENT
RT Depth
Snowfall
Snowmelt
Snowpacks

WATER EROSION
UF Rain erosion
BT Erosion
RT Glacial erosion
Soil erosion
Stream erosion

WATER EXCRETION
BT Excretion
RT Excretory systems

WATER FARMING
USE FISH FARMING

**WATER FILTRATION**
USE WATER FILTERS

**WATER FILTERS**
UF Filtration (water)
Water filtration
BT Fluid filters
Liquid filters
Separators
RT Sedimentation
Water purification
Water quality
Water treatment

**WATER FLOODING (Oil Recovery)**
USE FLOODING

**WATER FLOW**
UF Water currents
BT Fluid flow
Liquid flow
RT Drainage
Ocean currents
Runoff
Water conservation
Water pipelines

**WATER GAPS**
RT Geomorphology
Mountains
Streams

**WATER HAMMER**
RT Pipe flow

**WATER HARVESTING**
BT Harvesting
RT Runoff
Water yield

**WATER HOLES**
RT Ponds
Springs (water)

**WATER HORIZONS**
USE AQUIFERS

**WATER HYACINTH**
UF Hyacinth (water)
BT Aquatic life
Aquatic plants
Aquatic weeds
(Continued)

**WATER HYACINTH (Continued)**
BT Crops
Dicots
Floating plants
Floating weeds
Horticulrural crops
Plants (botany)

**WATER-ICE INTERFACES**

**WATER IMPINGEMENT**
BT Impingement
RT Raindrops
Sprayers

**WATER INFLUX**
UF Encroachment (water)
Inflow
Water encroachment
RT Drainage
Excavation
Mines (excavations)
Mining
Soil water
Water drive
Well completion

**WATER INJECTION**
UF Injection
BT Injection
RT Injection wells
Water drive

**WATER INJURY**
RT Environmental effects
Floods
Wetlands

**WATER INTAKES**
UF Intakes
NT Drop inlets
RT Hydroelectric power generation

**WATER INTOXICATION**
RT CNS disorders
Hyponatremia

**WATER LANDING**
BT Landing

**WATER LAW**
NT Natural flow doctrine
RT Boundary disputes
(Continued)

WATER LAW (Continued)
RT Civil law
Governments
Interstate compacts
Laws
Legal aspects
Legislation
Prior appropriation
Public rights
Riparian rights
Treaties
Water
Water policy
Water permits
Water rights
Water transfer

WATER LAWS
UF Appropriation doctrine
Riparian rights
Water allocations
Water policies
Water rights
BT Legislation
NT Drainage laws
Irrigation laws

WATER LEVEL FLUCTUATIONS
RT Drawdown
High water mark
Low water mark
Pumping
Reservoir operation
Water levels
Water loss
Water measurement

WATER LEVELS
UF Stages (water)
RT Backwater
Drawdown
Flow augmentation
Gages
Gaging stations
Hydrographs
Measurement
Overtopping
Piezometers
Saline water intrusion
Sea level
Stream gages
Streams
Surfaces
Water level fluctuations
Water table
Water wells

WATERLOGGED AREAS
USE WATERLOGGED LAND

WATERLOGGED SOILS
USE SATURATED SOILS

WATER LOSS
BT Losses
NT Riparian waterloss
RT Demand (irrigation systems)
Diversion loss returns
Evaporation
Evapotranspiration
Infiltration
Influent streams
Interception
Irrigation water
Leakage
Moisture deficit
Precipitation excess
Seepage
Seepage losses
Sinkholes
Water delivery
Water conveyance
Water level fluctuations
Water yield improvement
Water shortage
Water seals
Wilting
Underseepage

WATER MANAGEMENT
NT Diversion
Water spreading
RT Conjunctive use
Drawdown
Flood control
Mulching
North American water and power alliance
Terracing
Water conservation
Water resources
Watershed management
Water supply

WATER MANAGEMENT (APPLIED)
BT A Management
NT Artificial recharge
Flood routing
Ground water management
Induced infiltration
(Continued)

WATER MANAGEMENT (APPLIED) (Cont.)
NT Routing
Snow management
Watershed management
Water spreading
RT Conjunctive use
Demand (irrigation systems)
Drainage practices
Flood control
Flow augmentation
Ground water mining
Ground water recharge
Ground water sources
Irrigation districts
Irrigation engineering
Irrigation practices
Irrigation programs
Land management
Nonstructural alternatives
Water supply
Reservoir capacity
Spreading basins
Terracing
Water conservation
Water control
Water demand
Water distribution (applied)
Water pollution control
Water pricing
Water quality control

WATER MAINS
USE CONDUITS
WATER PIPELINES

WATER MANAGEMENT (ADMINISTRATIVE)
USE ADMINISTRATION

WATER MASSES
RT Indicator species

WATER MEASUREMENT
BT Measurement
NT Miners inch
Salt velocity method
RT Cages
Instrumentation
Measuring instruments
Metering
Water
Float wells
Flow measurement
Orifices
(Continued)

WATER MANAGEMENT (Continued)
RT Stream gages
Water level fluctuations
Stream gaging station
Water metering
Weirs
Well yield

WATER METERING
BT Metering
RT Flowmeters
Hydrologic instruments
Instrumentation
Water measurement

WATER METERS
BT Measuring equipment

WATER OF CRYSTALIZATION
RT Crystallization
Water of hydration

WATER OF HYDRATION
RT Crystallization
Dehydration
Hydrates
Hydration
Water of crystallization

WATER PERMITS
BT Licenses
Permits
RT Irrigation
Water law
Water utilization

WATER PIPELINES
UF Water mains
BT Pipelines
RT Drains
Hydrants
Hydraulic valves
Irrigation
Water flow
Water pipes
Pipeline transportation

WATER MICROBIOLOGY
USE AQUATIC MICROBIOLOGY

WATER PIPES
BT Pipes (tubes)
Tubes
(Continued)

WATER PIPES (Continued)
RT Water pipelines
Water services
Water supply

WATER PLANS
RT Canals
Conveyance structures
Planning
Policies
Rivers
Water resources
Water rights

WATER-PLANT-SOIL RELATIONSHIPS
USE SOIL-WATER-PLANT RELATIONSHIPS

WATER POLICIES
USE WATER LAWS

WATER POLICY
BT Policies
NT Irrigation programs
RT Administration
Cost allocation
Cost sharing
Electric power
Federal project policy
Flood control
Governments
Industrial water
Institutions
Interstate
Irrigation
Irrigation water
Recreation
Nonstructural alternatives
Water
Water law
Water resources
Water supply
Water utilization
Water conservation
Water demand
Water allocation (policy)
Water zoning

WATER POLLUTION
BT Pollution
NT Stream pollution
RT Environmental sanitation
Industrial wastes
Limnology
Litter

WATER POLLUTION
UF Contamination (water)
Nuisance (water law)
Pollution (water)
NT Stream pollution
Thermal pollution
RT Aquatic environment
Contamination
Dilution
Diseases
Disposal
Environmental engineering
Industrial wastes
Industrial waste treatment
Limnology
Organic wastes
Population control
Riparian rights
Sewage
Standards
Toxins
Warning systems
Waste disposal
Wastes
Water
Water chemistry
Water quality
Water resources
Water supply
Water treatment
Water utilization
Federal water pollution control act
Non-consumptive use
Oil spills
Path of pollutans
Mortality
Pollutant identification
Pollutants
Pollution abatement
Pollution control
Reasonable use
Radioactive wastes
Sewage treatment plants
Sewage disposal
Self-purification
Sanitary engineering
Sewage
Water analysis
Water chemistry
Water conservation
Soil contamination effects
Water allocation (policy)
(Continued)

**WATER POLLUTION (Continued)**
RT Waste water use
Waste water (pollution)
Waste water
Waste disposal
Water pollution effects
Water pollution treatment
Treatment facilities
Toxins

**WATER POLLUTION ABATEMENT**
USE POLLUTION ABATEMENT

**WATER POLLUTION CONTROL**
BT Control
Pollution control
RT Abatement
Water management (applied)
Water resources management
Water treatment

**WATER POLLUTION EFFECTS**
BT Effects
RT Diseases
Fish kill
Phytotoxicity
Toxicity
Water pollution
Water quality

**WATER POLLUTION SOURCES**
NT Acid mine water
Oil spills
Oil wastes
RT Acid mine water
Agricultural chemicals
Algal poisoning
Animal wastes (wildlife)
Aquatic algae
Aquatic bacteria
Aquatic fungi
Aquatic insects
Aquatic microorganisms
Bacteriophage
Bioassay
Biological warfare
Brackish water
Canneries
Chemicontrol
Chemical warfare
Coal mine wastes
Cooling water
Decomposing organic matter
(Continued)

**WATER POLLUTION SOURCES (Continued)**
RT Detergents
Domestic wastes
Effervescence
Effluents
Fallout
Fertilizers
Fuels
Gasoline
Ground water quality
Heated water
Heavy metals
Industrial wastes
Litter
Mine acids
Mine wastes
Mine water
Municipal wastes
Nematodes
Nitrates
Odor-producing algae
Oil wastes
Oily water
Organic wastes
Pesticide residues
Phenols
Plants (botany)
Pollutant identification
Pollutants
Protozoa
Pulp wastes
Radioactive wastes
Radioisotopes
Red tide
Return flow
Saline water
Saline water intrusion
Saw mills
Sea nettles
Sewage
Sewage bacteria
Sewage effluents
Ships
Silts
Strip mine wastes
Sulfur liquors
Surfactants
Taste-producing algae
Textiles
Urine
Viruses
Waste identification
Wastes
Polychlorinated biphenyls

WATER POLLUTION TREATMENT
UF Decontamination (water)
BT Treatment
Water treatment
NT Flocculation
RT Abatement
Biodegradation
Sewage treatment
Waste treatment
Water pollution
Water purification

WATER POWER
USE HYDROELECTRIC POWER GENERATION
HYDROELECTRIC POWER
POWER RESOURCES

WATER PRESSURE
BT Pressure
NT Hydrostatic pressure
RT Soil mechanics
Water

WATER PRICING
RT Costs
Economics
Irrigation practices
Water management (applied)
Water reuse
Water resources
Water utilization

WATER PRIVATION
USE WATER DEPRIVATION

WATER PROPERTIES
UF Nature of water
BT Properties
RT Adsorption
Aquatic environment
Biological properties
Chemical properties
Conductivity
Evaporation
Hydrographs
Hydrologic properties
Limnology
Mechanical properties
Organoleptic properties
Physical properties
Porosity
Vapor pressure
(Continued)

WATER PROPERTIES (Continued)
RT Water
Water chemistry
Water quality
Water types
Wettability

WATER PROSPECTING
RT Aquicludes
Aquifers
Drilling
Exploration
Geophysical prospecting
Ground water
Stratigraphy
Surface waters
Surveys
Water
Water resources
Water supply
Water wells

WATER PUMPING
USE PUMPING

WATER PURIFICATION
UF Purification (water)
Water classification
BT Treatment
Water treatment
NT Flocculation
Self-purification
RT Coagulation
Effluent reuse
Environmental sanitation
Fluoridation
Oxygenation
Potable water
Settling basins
Water filters
Water quality
Water treatment plants
Water pollution treatment

WATER QUALITY
BT Chemical properties
Quality
RT Ground water quality
Irrigation water
Leaching
Limnology
Litter
(Continued)

**WATER QUALITY (Continued)**
RT Water quality control
Water quality standards
Organoleptic properties
Potable water
Flow augmentation
Radioactivity
Reaeration
Reclaimed water
Salinity
Salt balance
Taste-producing algae
Turbidity
Water filters
Water pollution
Water pollution effects
Water properties
Water purification
Water sampling
Water supply systems
Water temperature
Waste water (pollution)
Waste water use

**WATER QUALITY ACT**
BT Legislation
NT Federal Water Pollution Control Act
RT Waste disposal
Waste treatment
Water pollution
Water pollution treatment
Water quality

**WATER QUALITY CONTROL**
BT Control
Quality control
RT Abatement
Flow augmentation
Ground water quality
Water management (applied)
Water quality
Water quality standards

**WATER QUALITY STANDARDS**
BT Standards
RT Legal aspects
Water quality
Water quality control

**WATER RATES**
BT Rates
Use rates
RT Costs
Prices
Pricing
Utilities
Water utilization
Water valves
Waterworks

**WATER RECIRCULATION**
UF Recirculation (water)
RT Circulation
Freed water
Industrial waste treatment
Industrial water
Water reuse
Water treatment

**WATER RECLAMATION**
UF Water reuse
BT Conservation
Reclamation
RT Pollution
Sewage treatment
Water conservation
Water resources
Water treatment

**WATER REDUCING AGENTS**
BT Additives
Chemicals
Concrete additives

**WATER RELEASE**
USE DISCHARGE (WATER)

**WATER RENOVATION**
USE WATER REUSE

**WATER REQUIREMENTS**
UF Irrigation water requirements
Moisture requirements
BT Requirements
RT Demand (irrigation systems)
Digestion
Economics
Irrigation
Irrigation canals
(Continued)

WATER REQUIREMENTS (Continued)
RT Irrigation practices
Irrigable land
Plant growth
Surface irrigation
Water
Water utilization

WATER RESOURCES
BT Water
Natural resources
Resources
NT Hydroelectric resources
RT Ground water
Lake resources
Lakes
Pollution
Ponds
Reservoir
Riparian rights
River basins
Rivers
River basin development
Water conservation
Water development
Water erosion
Water supply needs
Water management
Water Pollution
Water policy
Water plans
Water pricing
Water resources development
Water treatment plants

WATER RESOURCES DEVELOPMENT
UF Water development
BT Resource development
RT Administration
Conjunctive use
Conservation
Governments
Local governments
Natural resources
Optimum development plans
Planning
Regional development
Resource conservation
Resources
Water resources

WATER RESOURCES MANAGEMENT
BT Management
NT Clear-cutting
Ground water management
Marsh management
Snow management
Watershed management
RT Drainage practices
Ground water mining
Ground water recharge
Ground water sources
Irrigation engineering
Irrigation practices
Flood control
Flood routing
Water control
Water pollution control

WATER RESOURCES PLANNING
USE PLANNING

WATER REUSE
UF Reclamation (waste water)
Reclamation (water)
Waste water reclamation
Water reclamation
Water renovation
BT Reclamation
NT Waste water use
RT Diversion loss returns
Effluent reuse
Irrigation practices
Irrigation systems
Irrigation water
Recirculated water
Reclaimed water
Salvage value
Tertiary treatment
Water allocation (policy)
Water demand
Water salvage
Water Pricing
Water recirculation
Waste water (pollution)
Waste water use

WATER RIGHTS
UF Riparian rights
Water laws
Irrigation laws
NT Adjudication
Natural flow doctrine
(Continued)

**WATER RIGHTS (Continued)**
NT Prior appropriation
Riparian rights
RT Competing uses
Boundary disputes
Federal jurisdiction
Federal-state water rights conflicts
Irrigation
Irrigated land
Irrigation water
Jurisdiction
Nonstructional alternatives
Reservation doctrine
Water allocation (policy)
Water contracts
Water law
Water flow
Water supply
State jurisdiction
Streamflow
Water plans
Water transfer
Withdrawn lands

**WATER SALVAGE**
BT Salvage
RT Artificial recharge
Irrigation practices
Irrigation water
Reclamation
Sewage treatment
Water reuse
Water utilization

**WATER SAMPLERS**
USE WATER SAMPLING

**WATER SAMPLING**
UF Water samplers
BT Sampling
RT Field investigations
Samplers
Water
Water quality
Water treatment

**WATER SEALS**
BT Seals (stoppers)
RT Leakage
Linings
Sealants
Water loss

**WATER SERVICES**
RT Public utilities
Water pipes

**WATER SHORTAGE**
RT Droughts
Low flow
Reservoir operation
Water loss
Water storage
Water supply
Water utilization

**WATER SKIING**
BT Recreation
Water sports

**WATER SOFTENERS**
USE WATER SOFTENING

**WATER SOFTENING**
UF Water softeners
BT Treatment
Water treatment
RT Demineralization
Desalination

**WATER-SOIL-PLANT RELATIONSHIPS**
USE SOIL-WATER-PLANT RELATIONSHIPS

**WATER SOURCES**
RT Aquifers
Bodies of water
Clouds
Ground water
Irrigation water
Juvenile water
Precipitation (atmospheric)
Reservoirs
Runoff
Springs (water)
Streams
Surface waters
Water
Watersheds (basins)

**WATER SPORTS**
BT Recreation
NT Boating
Sport fishing
Swimming
Water skiing
RT Hunting

WATER SPREADING
UF Spreading
BT Water management (applied)
RT Artificial recharge
Ditches
Flooding
Flow control
Irrigation practices
Spreading basins

WATER STAGE RECORDERS
BT Instrumentation
RT Gaging stations
Hydrologic instruments
River flow

WATER STOPS
RT Asphalts
Linings

WATER STORAGE
BT Storage
NT Bank storage
Dead storage
Pumped storage
Reservoir storage
Soil water storage
RT Conjunctive use
Dams
Farm ponds
Flood routing
Ground water
Hydraulic structures
Hydrology
Large watersheds
Ponding
Porosity
Recharge
Retention
Seepage
Surface water
Surplus water
Storage tanks
Storage coefficient
Storage capacity
Stock ponds
Water shortage
Water
Water supply
(Continued)

WATER STORAGE (Continued)
RT Water tanks
Water distribution (applied)
Water conservation
Water balance

WATER STRUCTURE
BT Structure
RT Water chemistry

WATER SUPPLY
BT Supply
RT Conjunctive use
Desalination plants
Forecasting
Ground water
Ground water contamination
Hydrology
Industrial water
Industrial water reuse
Lagoons (ponds)
Natural resources
Pipelines
Pollution
Precipitation (atmospheric)
Recharge
Reservoir operation
Resources
Surface waters
Water
Water management (applied)
Water policy
Water pollution
Water resources
Water rights
Water shortage
Water storage
Plumbing
Water management
Water pipes

WATER SUPPLY FORECASTING
BT Forecasting
NT River forecasting
Runoff forecasting
Streamflow forecasting
RT Evaporation
Evapotranspiration
Flood forecasting
Ground water sources
Snow fall
Snow cover

WATER SUPPLY FORECASTING (Continued)
RT Snow packs
Snow melt
Snow samplers
Snow surveys
Snow
Snow gages
Snow management
Surface runoff

WATER SUPPLY SYSTEMS
BT Urban systems
RT Civil engineering
Dams
Ground water
Water quality
Water wells

WATER SURFACE
RT Banks
Bodies of water
Canals
Lakes
Dams
Ponds
Reservoirs
Rivers
Spillways

WATER SURFACE PROFILES
BT Profiles
NT Backwater profiles
RT Backwater
Flow control
Rivers
Streamflow

WATER TABLE
RT Drawdown
Ground water
Ground water basins
Ground water depletion
Ground water flow
Ground water hydrology
Ground water mounds
Ground water sources
Induced infiltration
Infiltration galleries
Influent streams
Large watersheds
Natural recharge
Piezometry
River basins
(Continued)

WATER TABLE (Continued)
RT Subsurface moisture
Soil water movement
Water distribution (applied)
Water levels
Water yield improvement
Wellpoints
Zone of aeration
Zone of saturation

WATER TANKS
UF Water towers
BT Containers
Tanks (containers)
NT Cisterns
RT Reservoirs
Water distribution (applied)
Water storage

WATER TEMPERATURE
BT Temperature
RT Aquatic environment
Limnology
Water quality

WATER TOWERS
USE WATER TANKS

WATER TRANSFER
BT Transfer
RT Legal aspects
Water law
Water rights

WATER TRANSPORTATION
UF River traffic
River transportation
BT Transportation
NT Waterway transportation

WATER TREATMENT
UF Hydrotreat
Water conditioning
BT Treatment
NT Demineralization
Desalination
Flocculation
Self-purification
Waste water treatment
Water pollution treatment
Water purification
Water softening
(Continued)

**WATER TREATMENT (Continued)**
- RT Coagulation
- Effluent reuse
- Industrial water
- Insect control
- Pollution
- Water recirculation
- Fluoridation
- Reclaimed water
- Oxygenation
- Sand filters
- Sanitary engineering
- Separation techniques
- Sewage
- Treatment facilities
- Water analysis
- Water conservation
- Water distribution
- Water pollution control
- Water pollution treatment
- Soil disposal fields
- Water distribution (applied)
- Water filters
- Water sampling
- Water pollution
- Water treatment plants
- Waste water use

**WATER TREATMENT PLANTS**
- BT Utilities
- Waterworks
- RT Desalination
- Sedimentation
- Treatment
- Water purification
- Water resources
- Water treatment

**WATER TUNNELS (CONVEYANCE)**
- BT Conduits
- Engineering structures
- Hydraulic structures
- Tunnels
- Underground structures
- NT Dilversion tunnels
- RT Engineering geology
- Discharge lines
- Interbasin water transfers
- Spillways
- Tunnel construction
- Tunneling
- Water conveyance
- Water distribution (applied)

**WATER TUNNELS (TESTINC)**
- BT Conduits
- Tunnels
- RT Flow measurement
- Piezometers

**WATER TURBINES**
- USE HYDRAULIC TURBINES

**WATER TYPES**
- NT Acid mine water
- Acidic water
- Adsorbed water
- Alkaline water
- Bound water
- Capillary water
- Confined water
- Connate water
- Cooling water
- Developed waters
- Domestic water
- Excess water (soils)
- Flood water
- Fresh water
- Fringe water
- Gravitational water
- Heated water
- Heavy water
- Hydraulic mining water
- Hygroscopic water
- Irrigation water
- Juvenile water
- Meteoric water
- Mineral water
- Municipal water
- Percolating water
- Potable water
- Precipitable water
- Rain water
- Recirculated water
- Reclaimed water
- Return flow
- Saline water
- Sea water
- Snowmelt
- Surface water
- Springs (water)
- Stagnant water
- Stock water
- Subsurface waters
- Surplus waters
- Thermal water

(Continued)

**WATER TYPES (Continued)**
NT Vadose water
Waste water (pollution)
RT Liquids
Seepage
Standing waters
Water properties

**WATER USE**
USE WATER UTILIZATION

**WATER USERS**
BT Consumers
RT Industrial water
Marketing

**WATER UTILIZATION**
UF Moisture use
Use of water
Water use
NT Consumptive use
Natural use
Non-consumptive use
RT Riparian rights
Reasonable use
Recirculated water
Political aspects
Potable water
Prior allocation
Nonstructural alternatives
Optimum development plans
Conjunctive use
Evapotranspiration
Demand (irrigation systems)
Ground water mining
Hunting
Irrigation programs
Lawns
Water rates
Water shortage
Transpiration control
Use rates
Utilities
Water policy
Water pollution
Water pricing
Soil moisture
(Continued)

**WATER UTILIZATION (Continued)**
RT Waste distribution (applied)
Water conservation
Water conveyance
Water allocation (policy)
Water demand
Water permits
Water requirements
Water salvage

**WATER VALUES**
BT Value
RT Water rates

**WATER VAPOR**
BT Fluids
Gases
Moisture
Vapors
NT Precipitable water
RT Humidity
Mist
Vapor pressure
Water content

**WATER WAVES**
USE WAVES (WATER)

**WATER WEEDS**
USE AQUATIC WEEDS

**WATER WELLS**
BT Wells
NT Artesian wells
Drainage wells
Injection wells
Irrigation wells
RT Ground water
Ground water basins
Shallow wells
Specific capacity
Subsurface drainage
Water levels
Water prospecting
Water supply systems
Well spacing
Well points
Ground water depletion
Ground water mining
Infiltration galleries
Induced infiltration
Infiltration
Land subsidence

WATER WHEELS
BT Hydraulic equipment
Wheels

WATER YEAR
UF Hydrologic year
RT Annual
Seasonal
Streamflow

WATER YIELD
UF Yield (water)
NT Reservoir yield
RT Discharge (water)
Ground water basins
Rates
Runoff
Safe yield
Snowpacks
Surface drainage
Underflow
Vegetation effects
Water harvesting
Water yield improvement

WATER YIELD IMPROVEMENT
RT Runoff
Transpiration control
Water loss
Water table
Water yield

WATER ZONING
BT Regulations
Zoning
RT Administration
Water policy

WATERCOURSES (LEGAL)
NT Artificial watercourses
Developed waters
Ephemeral streams
Intermittent streams
Natural streams
Perennial streams
RT High water mark
Low water mark

WATERFALLS
UF Falls
RT Flow
Graded
Scenery

WATERFOWL
BT Animals
Aquatic life
Birds
Wildlife
RT Bird types
Hunting

WATERFRONT
RT Beaches
Marina city

WATERFRONT COMMUNITIES
BT Communities
RT Lakefront recreation
Marinas
Metropolitan transportation

WATERFRONT DEVELOPMENT
BT Urban areas
RT Physical planning

WATERLOGGED LAND
UF Waterlogged areas
RT Alkaline soils
Bogs
Clays
Drainage
Marshes
Swamps

WATERPROOFING
RT Linings
Sealants
Weatherproofing

WATERSHED MANAGEMENT
UF Watershed protection
BT Management
Water management (applied)
Water resources management
RT Cutting management
Erosion control
Flood plain studies
Habitat improvement
Land management
Soil management
Water management

WATERSHED PROTECTION
USE WATERSHED MANAGEMENT

**WATERSHEDS (BASINS)**
BT Regions
NT Agricultural watersheds
Demonstration watersheds
Large watersheds
Riverbasins
Small watersheds
RT Flood frequency
Flood hydrology
Flood plain regulation
Flood plain studies
Flood stages
Flood control
Forestry
Ground water basins
Ground water hydrology
Headwaters
Interfluves
Lake basins
Peak runoff
Post-impoundment
River systems
Rivers
Runoff coefficient
Surface runoff
Flood estimate
Flood forecasting
Watersheds (divides)
Stream drainage patterns
Streamflow
Streamflow regulation
Water collection systems
Water conservation
Water sources
Water yield
Valleys

**WATERSHEDS (DIVIDES)**
UF Drainage divides
Natural drainage divides
RT Interfluves
Riparian rights
Watersheds (basins)

**WATERSHEDS**
UF Drainage basins
NT River basins
RT Drainage
Flood control
Flood forecasting
Hydrology
Precipitation (meteorology)
Rainfall
(Continued)

**WATERSHEDS (Continued)**
RT Rivers
Runoff
Sewerage systems
Stream flow
Surface water runoff
Surface waters
Valleys
Water conservation
Water table

**WATERTIGHT**
RT Grouting
Leakage
Sealants

**WATERWAY TRANSPORTATION**
**TRANSPORTATION ON INLAND WATERWAYS**
UF River transportation
BT Transportation
Water transportation
RT Barges
Cargo ships
Cargo transportation
Civil engineering
Commercial transportation
Common carriers
Inland waterways
Interstate transportation
Intrastate transportation
Mass transportation
Military transportation
Passenger transportation
Petroleum transportation
Tanker ships

**WATERWAYS**
NT Aqueducts
Canals
Channels
Concrete-lined canals
Drains
Estuaries
Floodways
Flumes
Grassed waterways
Inland waterways
Inlets (waterways)
Intake channels
Interstate rivers
Irrigation canals
Natural streams
(Continued)

WATERWAYS (Continued)
NT Navigable rivers
Non-perennial streams
Rivers
Stream channels
Streams
Tributaries
Wild rivers
RT Lakes
Large watersheds
Lock gates
Straits
Underground streams

WATERWAYS, GRASSED
USE GRASSED WATERWAYS

WATERWORKS
BT Utilities
NT Water treatment plants
RT Water rates
Public works
Water control
Water conveyance
Water distribution (applied)
Sanitary engineering

WAVE ENERGY
BT Energy
RT Mechanical waves
Ocean waves
Waves

WAVE GUIDES
RT Gyrators

WAVE MECHANICS
USE QUANTUM THEORY

WAVE PROPAGATION
UF Wave transmission
BT Transmission
NT Double sideband transmission
Electromagnetic wave transmission
Ground wave propagation
Ionospheric propagation
Light transmission
Multipath transmission
Radio transmission
Scatter propagation
Single sideband transmission
Sound transmission
(Continued)

WAVE PROPAGATION (Continued)
NT Television transmission
Underwater sound transmission
RT Attenuation
Coherence
Conductance
Electromagnetic absorption
Huygens principle
Reflection
Refraction
Soil dynamics
Soil tests
Wave dispersion
Wave forms
Wave interference

WAVE TRANSMISSION
USE WAVE PROPAGATION

WAVES
BT Periodic variations
NT Elastic waves
Electromagnetic waves
Flood waves
Mechanical waves
Microwaves
Radio waves
Seismic waves
Shear waves
Shock waves
Sound waves
Ultraviolet radiation
Waves (water)
X-rays
RT Beaching
Water circulation
Wave energy
Wind tides

WAVES (WATER)
UF Ripples
Water waves
BT Mechanical waves
Periodic variations
Waves
NT Flood waves
Tides
RT Erosion
Littoral drift
Surges
Water circulation

**WEATHER**
NT Wind resistance
Storms
RT Air masses
Air temperature
Arid climates
Ceilings (meteorology)
Cirrus clouds
Climatic data
Climatology
Clouds
Convection clouds
Cumulonimbus clouds
Cumulus clouds
Cyclones
Environment
Freeze-thaw cycle
Humidity
Meteorology
Rain
Snow
Storms
Stratus clouds
Weather data
Weather forecasting
Weathering
Weather modification
Weather patterns
Wind (meteorology)

**WEATHER COMMUNICATIONS**
RT Weather data
Weather maps
Weather observations
Weather stations

**WEATHER CONTROL**
USE WEATHER MODIFICATION

**WEATHER DATA**
RT Charts
Climatic data
Climatology
Hydrometeorological station
Meteorology
Precipitation (atmospheric)
Tables (data)
Weather
Weather communications
Synoptic analysis

**WEATHER FORECAST**
NT Long range forecast
Long run forecast
Short rangeforecast
Short fun forecast

**WEATHER FORECASTING**
BT Forecasting
RT Air masses
Air water interactions
Atmospheric density
Atmospheric models
Cloud cover
Humidity
Meteorological satellites
Synoptic analysis
Synoptic meteorology
Weather

**WEATHER INTELLIGENCE**
BT Intelligence

**WEATHER MAPS**
BT Maps
RT Mapping
Weather communications

**WEATHER MODIFICATION**
UF Weather control
NT Artificial precipitation
Cloud modification
Cloud seeding
Fog dispersal
Fog dispersion
Induced precipitation
RT Flood control
Frost protection
Ice nuclei
Political aspects
Weather

**WEATHER OBSERVATIONS**
RT Weather communications
Weather stations

**WEATHER PATTERNS**
RT Air masses
Dry seasons
Meteorology
Precipitation (atmospheric)
Summer precipitation
Weather
Winter precipitation

WEATHER RADAR
USE METEOROLOGICAL RADAR

WEATHER RECONNAISSANCE AIRCRAFT
BT Aircraft

WEATHER RESISTANT PLANTS
USE PLANT HARDINESS

WEATHER STATIONS
UF Meteorological stations
BT Stations
RT Weather communications
Weather observations

WEATHER STATIONS
BT Stations
RT Meteorological satellites

WEATHERING
RT Corrosion
Curing
Damages
Degradation
Denudation
Eolian soils
Mass wasting
Weathering

WEATHERPROOFING
RT Moisture proofing
Waterproofing

WEED CONTROL
RT Fallowing
Horticulture
Sagebrush
Stubble mulching
Test canals
Vegetation regrowth

WEED CONTROL
BT Control
Chemical controls
Biological controls
Pest control
NT Aerial weed control
Aquatic weed control
Brush control
RT Application methods
Clear-cutting
Fallowing
(Continued)

WEED CONTROL (Continued)
RT Herbicides
Mechanical controls
Mulching
Range management
Riparian plants
Riparian vegetation
Stubble mulching
Weed growth
Weeds

WEED GROWTH
BT Growth
Plant growth
RT Vegetal cover
Vegetation establishment
Weed control
Weeds
Plant populations

WEED KILLERS
USE HERBICIDES

WEEDICIDES
USE HERBICIDES

WEEDS
BT Plants (botany)
NT Crop weeds
Floating weeds
Pondweeds
Range weeds
Submersed weeds
RT Ground cover
Riparian plants
Undesirable plants
Vegetation effects
Weed growth

WEIGHT
RT Kinetic energy
Mass

WEIGHT LOSS
BT Losses

WEIGHTS AND MEASURES
USE STANDARDS
UNITS OF MEASUREMENT

WEIR BOXES
USE WEIR PONDS

WEIR COSTS
UF Crests (weirs)
RT Weirs

WEIR GAGES
BT Equipment
Gages
Hydrologic instruments
Instrumentation
Measuring instruments
Test equipment
RT Weirs

WEIR PONDS
UF Boxes (weir)
Weir boxes
RT Weirs

WEIRS
RT Control
Dams
Discharge (water)
Flow control
Flowmeters
Flumes
Gates
Hydraulic gates
Hydraulics
Spillways
Streamflow
Venturi flumes
Water measurement
Weir crests
Weir gages
Weir ponds
Overtopping
Flow measurement

WELDING
RT Fusion

WELFARE
UF Public assistance
NT Aid to dependent children
Community service organizations
Day nurseries
Federal medicare programs
Food stamp legislation
Food stamps
Housing subsidies
Housing welfare
Poor relief
(Continued)

WELFARE (Continued)
NT Public assistance
Public health agencies
Public welfare
Public welfare administration
Social security
Social services
Vocational rehabilitations
Welfare compensations
Workmen compensation
RT Low rent neighborhoods
Skid row

WELL CASINGS
BT Casings
RT Corrosion control
Drilling
Drills
Pipes
Wells

WELL CIRCULATION
USE CIRCULATION

WELL COMPLETION
RT Water influx

WELL FILTERS
UF Gravel packs
Packing (well)
Well packing
BT Filters
Fluid filters
RT Corrosion
Corrosion control
Gravels
Well points
Wells

WELL LOGGING
BT Logging (recording)
NT Electrical well logging
RT Exploration
Subsurface investigations

WELL PACKING
USE WELL FILTERS

WELL PERMITS
BT Licenses
Permits
RT Legal aspects
Subsurface waters
Wells

WELL POINTS
BT Construction equipment
Equipment
RT Construction
Drainage
Drains
Excavation
Water table
Water wells
Well filters
Wells

WELL REGULATIONS
BT Regulations
RT Casings
Drillings
Legal aspects
Saline water intrusion
Subsurface waters
Wells

WELL SCREENS
BT Screens
RT Corrosion control
Filters
Fluid filters
Pipes
Wells

WELL SERVICING RIGS
RT Sand lines

WELL SPACING
RT Drawdown
Water wells
Wells

WELL YIELD
RT Drawdown
Flow measurement
Recharge
Water measurement
Water yield
Wells

WELLS
NT Artesian wells
Disposal wells
Drainage wells
Injection wells
Irrigation wells
Oil wells
(Continued)

WELLS (Continued)
NT Recharge wells
Shallow wells
Gas wells
Marginal wells
Waste disposal wells
RT Drawdown
Inflow
Land subsidence
Pumping
Reserves
Reservoir engineering
Saline water intrusion
Saturation zones
Specific capacity
Underground
Underground openings
Well casings
Well filters
Well permits
Well points
Well screens
Well regulations
Well spacing
Well yield

WET BULB DEPRESSION
RT Humidity

WET CLASSIFIERS
UF Deslimers
BT Classifiers
Separators
NT Sand tanks

WET CLIMATES
UF Superhumid climates
BT Climates
RT Pedalfers
Podzols
Rain forests
Yellow podzolic soils

WET CONDITION
RT Moisture content
Water content
Wetlands

WET SEASONS
UF Rainy seasons
RT Monsoons
Precipitation (atmospheric)
Rain forests

WETLANDS
NT Coastal marshes
Freshwater marshes
Mangrove swamps
Marshes
Salt marshes
Swamps
RT Aquatic environment
Aquatic habitats
Bodies of water
Flooding
Fresh water
Regions
Standing waters
Surface waters
Wildlife conservation
Stagnant water
Standing waters
Terrestrial habitats
Water injury
Wet condition
Wildlife conservation

WETNESS
USE MOISTURE CONTENT

WETTABILITY
RT Permeability
Porosity
Soil chemical properties
Soil physical properties
Soil properties
Surface properties
Water properties

WHARVES
USE DOCKS

WHEAT
UF Triticum aestivum
BT Agronomic crops
Cereal crops
Crops
Field crops
Grasses
Monocots
Plants (botany)
RT Grains (crops)

WHEATGRASSES
UF Agropyron species
Blue-joint grass
Crested wheatgrass
BT Agronomic crops
Crops
Field crops
Forage grasses
Forages
Grasses
Monocots
Plants (botany)
Range grasses

WHEATSTONE BRIDGE
BT Electric bridge

WHEEL
BT Street patterns

WHITE-CEDAR TREES
UF Chamaecyparis species
BT Coniferous trees
Conifers
Gymnosperms
Plants (botany)
Trees
RT Coniferous forests

WHITE COLLAR CLASS
BT Population groups

WHITE FIR TREES
UF Abies concolor
BT Coniferous trees
Conifers
Fir trees
Gymnosperms
Plants (botany)
Trees

WHITE PINE TREES
UF Northern pine trees
Pinus strobus
BT Coniferous trees
Conifers
Gymnosperms
Pine trees
Plants (botany)
Trees

WHOLESALE MARKETING
BT Marketing

WILD BIRDS
USE BIRDS

WILD FLOWER CONSERVATION
BT Natural resource conservation

WILD PARK
USE WILDLIFE PRESERVES

WILD RICE
UF Zizania aquatica
BT Aquatic life
Aquatic plants
Grasses
Monocots
Plants (botany)
Rooted aquatic plants
RT Cereal crops
Food and cover crops

WILD RIVERS
BT Bodies of water
Land forms
Rivers
Running waters
Streams
Surface waters
Waterways

WILDERNESS AREAS
UF Natural areas
Wildlands
BT Land
RT Forest conservation

WILDLANDS
USE WILDERNESS AREAS

WILDLIFE
BT Animals
NT Bass
Big game
Cold-water fish
Deer
Fish
Freshwater fish
Killifishes
Migratory birds
Non-game birds
(Continued)

WILDLIFE (Continued)
NT Pan fish
Saline water fish
Sunfishes
Wading birds
RT Ecology
Endangered species
Habitat improvement
Food chains
Highway effects
Hunting
Land resources
Preservation
Small animals (mammals)
Vegetation effects
Waterfowl
Wildlife conservation
Wildlife habitats
Wildlife management

WILDLIFE CONSERVATION
BT Conservation
Natural resource conservation
Resource conservation
NT Fish conservation
RT Animal control
Habitat improvement
Habitats
Irrigation programs
Fishkill
Preservation
Non-consumptive use
Reasonable use
Reservoirs
Riparian rights
Water conservation
Wetlands
Wildlife
Wildlife management

WILDLIFE CONTROL
NT Aerial wildlife control

WILDLIFE HABITATS
BT Environments
Habitats
RT Habitat improvement
Wildlife

WILDLIFE MANAGEMENT
UF Game management
BT Management
NT Habitat improvement
RT Endangered species
Fish management
Food and cover crops
Marsh management
Post-impoundment
Riparian plants
Sagebrush
Shelter belts
Shrubs
Soil conservation
Stream improvement
Vegetation regrowth
Wildlife
Wildlife conservation
Windbreaks

WILDLIFE PRESERVES
UF Natural areas
Wild park
RT Open spaces

WILTING
RT Moisture availability
Moisture content
Osmotic pressure
Plants (botany)
Transpiration
Turgor
Water loss
Wilting point

WILTING COEFFICIENT
USE WILTING POINT

WILTING POINT
UF Permanent wilting
Wilting coefficient
BT Moisture content
RT Capillary conductivity
Moisture content
Moisture deficit
Retention
Root zone
Soil moisture
Turgor
Wilting

WILTS
BT Plant diseases

WILLOW TREES
UF Salix species
BT Crops
Deciduous trees
Dicots
Horticultural crops
Plants (botany)
Trees
RT Riparian plants

WIND ACTION
RT Barchans
Dunes
Dust storms
Eolian soils
Ergs
Erosion
Fossil dunes
Glacial drift
Sand control
Sand dunes
Seif dunes
Soil types

WIND BRACING
BT Bracing
RT Bridges (structures)
Buildings
Live loads
Loads (forces)
Structural design
Wind (meteorology)

WINDBREAKS
BT Barriers
RT Afforestation
Erosion control
Sand control
Shelterbelts
Trees
Vegetation effects
Wind erosion
Wind velocity

WIND DIRECTION
RT Wind (meteorology)
Wind profiles
Wind velocity

WIND EROSION
UF Degradation (wind)
BT Erosion
RT Aeolian soils
(Continued)

WIND EROSION (Continued)
RT Blowouts
Drifts
Dunes
Dust storms
Eluvium
Eolian soils
Erosion control
Geologic deposits
Sands
Sheet erosion
Shelterbelts
Soil erosion
Strip cropping
Vegetation effects
Windbreaks
Wind (meteorology)
Winds
Wind velocity

WIND LOADS
USE WIND PRESSURE

WIND (METEOROLOGY)
NT Gusts
Jet streams (meteorology)
Land breezes
Monsoons
RT Atmospheric disturbances
Air currents
Cyclones
Hurricanes
Snowstorms
Tides
Tornadoes
Tropical cyclones
Typhoons
Weather
Wind bracing
Wind breaks
Wind direction
Wind erosion
Wind pressure
Wind speed
Wind tides
Wind velocity

WIND POWER GENERATION
BT Electric power generation
RT Windmills

WIND PRESSURE
UF Wind loads
BT Pressure
RT Buildings
Lateral forces
Live loads
Loads (forces)
Wind (meteorology)

WIND PROFILES
BT Profiles
RT Wind direction
Wind speed
Wind velocity

WIND RESISTANCE
BT Weather
RT Hurricanes
Tornadoes
Storms

WIND SETUP
USE WIND TIDES

WIND SPEED
RT Anemometers
Wind (meteorology)

WIND TIDES
UF Wind setup
BT Tides
RT Mechanical waves
Surges
Waves
Wind (meteorology)

WIND VELOCITY
BT Velocity
RT Anemometers
Meteorology
Windbreaks
Wind direction
Wind profiles
Wind (meteorology)

WINDBREAKS
RT Brush
Erosion control
Trees
Wildlife management
Wind (meteorology)

WINDMILLS
RT Wind power generation

WINDS
RT Surges

WING CLIPPING
USE MARKING TECHNIQUES

WINTER
BT Seasons
RT Seasonal
Torpor

WINTER ANNUALS
BT Annuals
NT Plantago insularis

WINTER CONSTRUCTION
UF Cold weather construction
RT Architecture and climate
Building construction
Frozen ground

WINTER HARDINESS
USE PLANT HARDINESS

WINTER PRECIPITATION
RT Summer precipitation

WIRE COMMUNICATION
USE TELECOMMUNICATION

WIRELESS COMMUNICATION
USE TELECOMMUNICATION

WOLFRAM
USE TUNGSTEN

WOOD
RT Saw mills
Timbers
Wood preservatives
Wood-using industries
Wooden trestles
Wooden bridges

WOOD CONSTRUCTION
RT Building construction
Log cabins
Trusses
Carpentry

WOOD FIBERS
BT Natural fibers

WOOD INDUSTRY
USE LUMBER INDUSTRY
WOOD-USING INDUSTRIES

WOOD-PILE TRANSMISSION LINES
BT TRansmission lines

WOOD PRESERVATIVES
RT Construction materials
Wood

WOOD PRESERVATIVES (PESTICIDES)
BT Chemicals
Pesticides
Poisons
RT Insecticides

WOOD PRODUCTS
UF Forest products
Wood

WOOD PULP
BT Pulp
RT Paper materials
Pulpwood
Rayon

WOOD RESIDUES
USE WOOD WASTE

WOOD TAR
USE WOOD PRODUCTS

WOOD-USING INDUSTRIES
UF Wood industry
NT Cooperage
RT Forest industries
Forest products
Industry
Lumber industry
Wood
Furniture industry
Wood pulp

WOOD WASTE
UF Forest waste
Lumber waste
Waste wood
Wood residues

WOOD WASTE (Continued)
   NT  Sawdust
       Slash
       Wood ashes
       Wood flour
       Wood shavings
   BT  Wastes
   RT  Wood distillation

WOOD WASTES
   BT  Organic wastes
       Solid wastes
       Wastes
   RT  Bark
       Cellulose
       Humus
       Industrial wastes
       Lignins
       Lumbering
       Pulp and paper industry
       Pulp wastes
       Sawdust
       Saw mills
       Timbers
       Wood

WOODEN BRIDGES
   BT  Bridges (structures)
       Engineering structures
       Wooden structures
   RT  Railroad bridges
       Wood

WOODEN PILES
   UF  Timber piles
   BT  Piles (foundations)

WOODEN STRUCTURES
   BT  Structures
   NT  Wooden bridges
       Wooden trestles
   RT  Lumber

WOODEN TRESTLES
   BT  Engineering structures
       Wooden structures
   RT  Wood

WOODLOT MANAGEMENT
   USE FARM FORESTRY

WORKABILITY
   BT  Mechanical properties

WORKER'S HOUSING
   USE COMPANY HOUSING

WORKING CONDITIONS
   USE ENVIRONMENTS

WORKPLACE LAYOUT
   BT  Layout

WORLD AGRICULTURAL SITUATION
   UF  International agricultural situation
   BT  Agricultural situation

WORTH
   USE VALUE

WRAPPING (PACKAGING)
   USE PACKAGING

WROUGHT IRON
   BT  Iron
       Metals
   RT  Iron alloys

X-RAYS
   BT  Electromagnetic waves
       Radiation
       Transport phenomena
       Waves

XEROPHILES
   RT  Desert animals

YELLOW PINE TREES
BT Coniferous trees
Conifers
Gymnosperms
Pine trees
Plants (botany)
Trees
RT Coniferous forests

YELLOW PODZOLIC SOILS
BT Acidic soils
Pedalfers
Podzols
Soil groups
Soils
Soil types
RT Coniferous forests
Humid climates
Rain forests
Red podzolic soils
Subtropic
Wet climates

YIELD (SAFE)
use SAFE YIELD

YIELD SEDIMENT
USE SEDIMENT YIELD

YIELD (SEDIMENT)
USE SEDIMENT YIELD

YIELD (WATER)
USE WATER YIELD

YIELDS (CROPS)
USE CROP YIELD

YOUNG FARMER EDUCATION
UF Beginning farmer education
BT Agricultural education

YOUTH
UF Adolescence
NT Rural youth
Urban youth
RT Boys
Girls
Juvenile delinquency
Population characteristics

YOUTH CENTERS
BT Recreation centers

YOUTHFUL MANUFACTURING CITIES
BT Cities
RT Industries

YTTRIUM
BT Metals
Transition metals
RT Rare earth elements
Yttrium isotopes

ZEA MAYS
USE CORN (FIELD)

ZINC
UF Spelter
BT Metals
Transition metals
RT Sphalerite
Trace elements
Zinc isotopes
Zinc ores

ZINC ALLOYS
BT Alloys
metals
NT Brass
RT Bearings
Galvanizing
Soldering
Zinc

ZIRCONIUM
BT Metals
Transition metals
RT Baddeleyites
Ziron
Zirconium isotopes

ZIZANIA AQUATICA
USE WILD RICE

ZONAL EXPANSION
BT Spatial analysis

ZONAL THEORY
BT City zones
Urban theories

ZONE OF AERATION
NT Capillary fringe
RT Soil moisture
Soil water
Subsurface drainage
Subsurface waters
Unsaturated flow
Vadose water
Water table
Soil water movement
Subsurface flow

ZONE OF DISPERSION
BT Spatial analysis

ZONE OF SATURATION
RT Ground water
Ground water sources
Natural recharge
Phreatophytes
Recharge
Subsurface waters
Water table

ZONED EMBANKMENTS
BT Earthworks
Embankments
RT Earth dams
Earth materials
Fills
Filters
Slope stability

ZONES
BT Spatial patterns
Middle zone
RT Government regulations

ZONING
UF Land zoning
BT Regulations
NT Flood plan zoning
Water zoning
Land use zoning
Contract zoning
Country zoning
Flood plain zoning
Industrial zoning regulations
Large lot zoning
Zoning administration
Suburban zoning
Cluster zoning
Nuisance industries
Transition zones
Apartment house zone
Area regulations
Conditional zoning
Rezoning
Business zoning
RT Billboards
Land surveys
Land values
Local governments
Flood plains
Rural zoning
Nonstructural alternatives
Site clearances
(Continued)

ZONING (Continued)
RT Scenic easements
Sites
Urbanization
Zoning laws
Zoning legislation
Zoning ordinances
Zoning plans
Zoning tolerance

ZONING ADMINISTRATION
BT Urban areas
Zoning
RT Zoning districts

ZONING DISTRICTS
RT Zoning administration

ZONING LAWS
BT Law
RT Zoning

ZONING - LEGISLATION
USE ZONING LEGISLATION

ZONING LEGISLATION
UF Architectural control - legislation
Zoning - legislation
RT Building codes
Legislation
Subdivision regulations
Zoning

ZONING LEGISLATION - MODEL LAWS AND ORDINANCES
UF Model laws and ordinances

ZONING ORDINANCES
RT Municipal regulations
Ordinances
Zoning

ZONING PLANS
RT Zoning

ZONING TOLERANCE
RT Zoning

ZOO
BT Urban institutions

ZOOGEOGRAPHY
UF Animal geography
Animal migration
Migration (animals)
BT Geography
RT Plant geography

ZOOLOGY
BT Biology
Sciences
RT Animals
Biological communities
Biomes
Ecology
Zooplankton

ZOOPLANKTON
BT Aquatic animals
Aquatic life
Plankton
Seston
NT Sea nettles
RT Zoology